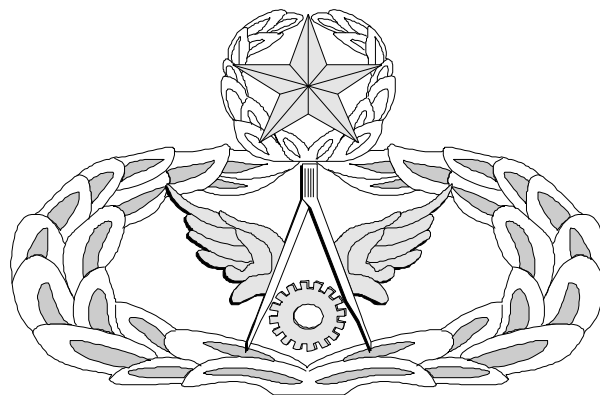
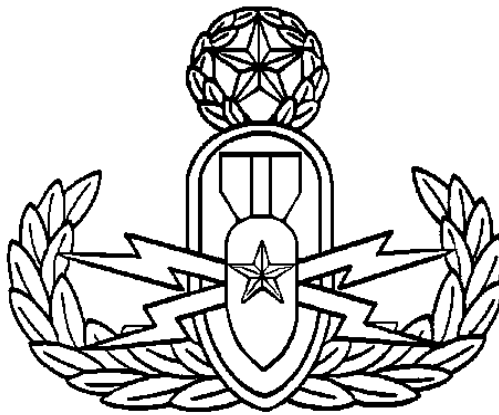


DEPARTMENT OF THE AIR FORCE
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CFETP 3E8X1
Parts I and II
1

AFSC 3E8X1

EXPLOSIVE ORDNANCE DISPOSAL



CAREER FIELD
EDUCATION AND TRAINING PLAN

**CAREER FIELD EDUCATION AND TRAINING PLAN
EXPLOSIVE ORDNANCE DISPOSAL SPECIALTY
3E8X1**

Table of Contents

PART I

Preface.....	4
Abbreviations/Terms Explained.....	6
Section A, General Information.....	11
Purpose	
Uses	
Coordination and Approval	
Section B - Career Field Progression and Information.....	11
Specialty Descriptions	
Skill/Career Progression	
Apprentice (3-Level)	
Journeyman (5-Level)	
Craftsman (7-Level)	
Superintendent (9-Level)	
Civil Engineer Manager	
Training Decisions	
Community College of the Air Force Academic Programs	
Career Field Path	
Section C - Skill Level Training Requirements.....	25
Purpose	
Specialty Qualification Requirements	
Apprentice (3-Level)	
Journeyman (5-Level)	
Craftsman (7-Level)	
Superintendent (9-Level)	
Section D - Resource Constraints.....	32
Purpose	
Training Constraints	
Section E - Transitional Training Guide.....	33

Part II

Section A -Specialty Training Standard.....	34
Implementation	
Purpose	
Recommendations	
Qualitative Requirements	
Section B - Course Objective List.....	63
Section C - Support Materials.....	64
Section D - Training Course Index.....	65
Section E - Major Command (MAJCOM) Unique Requirements.....	67
Section F - Home Station Training.....	68
Section G - Standard Training Package.....	76

PREFACE

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and instill rigor in all aspects of career field training.

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.

2.1. Part I provides the information necessary for overall management of the specialty.

- **Section A** provides general information about how the CFETP will be used.
- **Section B** identifies career field progression information, duties and responsibilities, training strategies, and career field path.
- **Section C** associates each skill level with specialty qualifications (knowledge, education, and training).
- **Section D** indicates resource constraints.
- **Section E** identifies transition guide requirements for SSgt through MSgt.

2.2. Part II includes the following:

- **Section A** identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) conducted training, wartime core tasks, and non-residence course requirements.
- **Section B** contains the course objective list and training standards supervisors will use to determine if airman satisfy training requirements.
- **Section C** identifies available support materials. Qualification Training Package (QTPs) and CerTests support both upgrade training (UTG) and qualification training. QTPs are indexed in AF Index (AFIND) 8, Numerical Index of Specialized Educational Training Publications.
- **Section D** identifies a training course index supervisors can use to determine resources available to support training. Included here are both mandatory and optional courses, and exportable courseware.
- **Section E** identifies the MAJCOM-unique requirements supervisor can use to determine additional training requirements for the associated qualification needs.

- **Section F** identifies home station training references and courses for this specialty available in support of contingency/wartime training.
- **Section G** identifies the EOD Standard Training Package (STP) and prescribes the minimum recurring training requirements for all active duty EOD personnel assigned below wing level.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their careers. This plan will enable us to train today's workforce for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this guide.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training (AT). A formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Career Field Manager (AFCFM). An individual on the Air Staff charged with the responsibility for overseeing all training and career field management aspects of an Air Force specialty or group of specialties.

Air Force Job Qualification Standard/Command Job Qualification Standard (AFJQS/CJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS/CJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document encapsulating the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

CerTest. A multi-media training program used to train and test an individual's knowledge of the career field's principles and procedures.

Computer Based Training (CBT). The use of computers to aid in the delivery and management of instructional material.

Continuation Training. Additional training exceeding requirements with emphasis on present and future duty assignments.

Core Task. A task Air Force Career Field Managers (AFCFMs) identified as a minimum qualification requirement within an Air Force specialty or duty position. These tasks exemplify the essence of the career field.

Course Objective List (COL). A publication, derived from initial/advanced skills course training standard, identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-, 5-, and 7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, Developing, Managing, and Conducting Training.

Critical Task. Tasks assigned to an individual by the individual's MAJCOM. Such tasks become mandatory for UGT.

Distance Learning (DL). Training that is exported, such as from a resident course to a field location.

Duty Position Task. The tasks assigned to an individual for the position currently held. These include as a minimum all core tasks, critical tasks, and any other tasks assigned by the supervisor.

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer-assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a field training detachment (FTD) or by a mobile training team (MTT).

Initial Skills Training. A formal resident course which results in award of the entry level.

Instructional System Development (ISD). A deliberate and orderly, but flexible, process for planning, developing, implementing, and managing instructional systems. It ensures personnel are taught in a cost-efficient way the knowledge, skills, and attitudes essential for successful job performance.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training conducted to certify personnel in both upgrade (skill level award) and job qualification (duty position certification) training.

Optimal Training. The ideal combination of training settings resulting in the highest levels of proficiency on specified performance requirements within the minimum time possible.

Proficiency training is additional training, either in-residence, exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an individual in a specific duty position. This portion of the dual channel on-the-job training program occurs both during and after the upgrade training process. It is designed to provide the performance skills required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. QTPs identify the Air Force's standardized method for performing the task. The QTP may be printed (paper-based), computer-based, or in other audiovisual media.

Representative Sites. Typical organizational units having similar missions, weapon systems or equipment, or a set of jobs, used as a basis for estimating average training capacities and costs within the Training Impact Decision System (TIDES).

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, or equipment that precludes desired training from being delivered.

Skills Training. A formal course resulting in the award of a skill level.

Specialty Training. A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in the award of a skill level.

Specialty Training Standard (STS). Describes skills and knowledge that airmen in a particular AFS need on the job. It further serves as a contract between the Air Education and Training Command (AETC) and the user to show the overall training requirements for an AFS taught in the resident and nonresident courses.

Standard. An exact value, a physical entity, or an abstract concept, established and defined by authority, custom, or common consent to serve as a reference, model, or rule in measuring quantities or qualities, establishing practices or procedures, or evaluating results. A fixed quantity or quality.

Total Force. All collective Air Force components (active duty, Reserve, Guard, and civilian elements) of the United States Air Force.

Training Capacity. The capability of a training setting to provide training on specified requirements, based on the availability of resources.

Training Impact Decision System (TIDES). A computer-based decision support technology designed to assist Air Force career field managers (AFCFMs) in making critical judgments relevant to what training should be provided to personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting). A TIDES template is used Air Force-wide for standardization and formatting of CFETPs.

Training Planning Team (TPT). Comprised of the same personnel as a U&TW, however TPTs are more intimately involved in training development and the range of issues is greater than is normal in the U&TW forum.

Training Requirements Analysis. A detailed analysis of tasks for a particular AFS to be included in the training decision process.

Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 5-, 7-, and 9-skill levels.

Utilization and Training Workshop (U&TW). A forum of the AFCFM, MAJCOM Functional Managers (MFMs), Subject Matter Experts (SMEs), and AETC training personnel that determine career ladder training requirements.

PART I

SECTION A - GENERAL INFORMATION

1. Purpose. This CFETP provides information necessary for the Air Force Career Field Manager (AFCFM), MAJCOM functional managers (MFM), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training individuals require to develop and progress throughout their careers. It identifies initial skills, upgrade, qualification, advanced, and proficiency training.

- **Initial skills training** is the AFS-specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one of the technical training wings.
- **Upgrade training** identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 5-, 7-, and 9-skill levels.
- **Qualification training** is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job.
- **Advanced Training.** A formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.
- **Proficiency training** is additional training, either in-residence, exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade.

The CFETP has several purposes:

- 1.1.** Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. It is used to help supervisors identify training at the appropriate point in an individual's career.
- 1.2.** Identifies task and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.
- 1.3.** Lists training courses available in the specialty and identifies sources of training and training delivery methods.
- 1.4.** Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop/revise formal resident, nonresident, field, and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM, Air Force Civil Engineer Support Agency Training Division (HQ AFCEA/CEOT) to develop acquisition strategies for obtaining resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement CFETP mandatory initial, upgrade, and proficiency requirements and identify requirements that can be satisfied by OJT, resident training, contract training, CerTest, or exportable courses. MAJCOM-developed training to support this AFS must be identified for inclusion into the plan.

2.3. Unit Training managers and supervisors must ensure each individual completes the mandatory training requirements (including MAJCOM supplemental requirements) for the upgrade training specified in this plan.

2.4. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approval authority for the CFETP. MAJCOM representatives and AETC personnel will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual review of this document by AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

SECTION B - CAREER FIELD PROGRESSION INFORMATION

4. Specialty Descriptions. Explosive Ordnance Disposal Apprentice, Journeyman, Craftsman, and Superintendent.

4.1. Specialty Summary. Detects, identifies, renders safe, recovers, and disposes of United States and foreign conventional, incendiary, chemical, biological, and nuclear ordnance. Renders safe and disposes of criminal/ terrorist improvised explosive devices. Other duties include: supporting the United States Secret Service for the protection of the President, Vice President and other dignitaries; providing support to Federal, State and local law enforcement agencies concerning EOD matters when determined to be in the interest of public safety; supporting specialized Joint Service Task Force operations; instructing base and community members on ordnance recognition skills and improvised explosive device countermeasures; and providing the hazardous materials (HAZMAT) response capability for incidents involving explosive ordnance.

4.2. Duties and Responsibilities for Apprentice and Journeyman.

4.2.1. Performs explosive ordnance (EOD) disposal functions.

- Conducts area reconnaissance for detecting and identifying unexploded ordnance.
- Determines distances to which personnel and material must be evacuated.
- Photographs all unknown explosive ordnance for technical intelligence and reporting requirements.
- Removes earth and debris surrounding unexploded ordnance, using mechanical tools, hand tools, and appropriate equipment.
- Estimates depth of buried explosive ordnance by using probing techniques or detection equipment.
- Performs constructing, sinking, and timbering of shafts for access to buried explosive ordnance and to protect personnel during recovery operations.
- Performs necessary rendering safe procedures, using special tools and techniques, including remote controlled devices and shaped charges.
- Removes safe explosive ordnance by using winches, pulleys, cables, or cranes.
- Operates and interprets radiation and other detecting instruments in monitoring areas adjacent to unexploded ordnance suspected of containing toxic or radioactive contamination.
- Neutralizes, leak seals, packages, and disposes of chemical and biological munitions.
- Disposes of explosive ordnance rendered exceptionally hazardous by damage or deterioration.

- Disposes of unserviceable explosives by thermal treatment.
- Notifies authorities when areas are free of danger.
- Secures explosive ordnance and equipment to vehicles and plans evacuation routes.
- Prepares reports concerning explosive ordnance disposal activities.
- Fabricates and uses explosive charges.
- Neutralizes and disposes of improvised explosive devices.

4.2.2. Performs as a specialized member of the Base Emergency Response Force.

- Provides guidance and advice to the On-scene Commander in detecting, monitoring, evaluating, and decontaminating radioactive, chemical, or biological hazards.
- Safes, removes, and disposes of explosives, explosive devices, and explosive ordnance rendered hazardous due to accident or incident to include ejection and catapult devices, squibs, explosive bolts, warheads, bombs, rockets, guided missiles, guns, and gun ammunition.
- Conducts explosive ordnance indoctrination programs for disaster preparedness teams and other agencies.

4.2.3. Performs related munitions and weapons functions.

- Performs functions relating to EOD munitions, weapons, or nuclear weapons activities as directed.
- Maintains explosive ordnance publications and administrative publications libraries pertaining to explosive ordnance functions.
- Inventories, stores, and maintains supplies, tools, and equipment relative to explosive ordnance disposal.

4.3. Duties and Responsibilities for EOD Craftsman.

4.3.1. Advises on EOD related problems.

- Resolves EOD problems and provides other activities with advice and guidance on EOD matters.
- Organizes and conducts explosive ordnance disposal operations.

- Determines procedures to be used in detecting, identifying, rendering safe, recovering, or destroying explosive, incendiary, and nuclear ordnance.

4.3.2. Performs EOD functions.

- Conducts area reconnaissance for detecting and identifying unexploded ordnance.
- Determines area from which personnel and materials must be evacuated, and ensures it is cleared before proceeding with disposal.
- Estimates depth of buried unexploded ordnance and removes surrounding earth and debris.
- Plans and conducts constructing, sinking, and timbering of shafts for access to buried explosive ordnance and to protect personnel during recovery operations.
- Renders unexploded ordnance safe, using techniques including remote-controlled devices and shaped charges.
- Plans and conducts neutralizing and disposing of improvised explosive devices.
- Calculates, fabricates, and uses explosives charges.
- Disposes of unserviceable explosive ordnance by thermal treatment.
- Plans and directs removing safe explosive ordnance, and ensures areas adjacent to unexploded ordnance suspected of containing toxic or radioactive contamination are properly monitored.
- Coordinates EOD activities and movements with other interested military and civilian agencies.
- Prepares reports concerning EOD activities.

4.3.2. Performs as a specialized member of the Base Emergency Response Force.

- Provides guidance and advice to the On-scene Commander on, monitoring, evaluating, and decontaminating radioactive, chemical, or biological hazards.
- Plans, organizes, directs, and assists in safing, removing, and disposing of explosives, explosive devices and explosive ordnance rendered hazardous due to accident or incident to include ejection and catapult devices, squibs, explosive bolts, warheads, bombs, rockets, guided missiles, guns, and gun ammunition.
- Plans, establishes, and conducts explosive ordnance indoctrination programs for disaster preparedness personnel and other agencies.

4.3.4. Supervises related munitions and weapons functions.

- Ensures functions relating to explosive ordnance disposal, weapons, and nuclear weapons activities are coordinated and performed as directed.
- Ensures the availability of explosive ordnance disposal publications and administrative publication libraries pertaining to explosive ordnance functions.
- Establishes procedures and standards for the availability of supplies, tools, and equipment pertaining to explosive ordnance disposal operations.
- Monitors and determines the proper procedures for turn-in or disposal of unserviceable supplies, tools, and equipment.

4.4. Duties and Responsibilities EOD Superintendent/Civil Engineer EOD Manager.

4.4.1. Plans and organizes EOD activities.

- Obtains and controls the resources necessary to conduct EOD operations.
- Coordinates with base, local, and federal agencies in matters concerning EOD operations.

4.4.2. Directs EOD activities.

- Checks methods and techniques employed in detecting, identifying, rendering safe, recovering, and destroying explosive ordnance.
- Ensures compliance with environmental and safety regulations in performing EOD operations.
- Drafts and prepares correspondence and reports relating to EOD functions.
- Supervises preparing, maintaining, and disposing of records concerning EOD activities.

4.4.3. Inspects and evaluates EOD activities.

- Inspects EOD activities to ensure compliance with policies, regulations, and technical publications.
- Interprets inspection findings, implements corrective actions, and conducts follow-up inspections.

4.4.4. Performs EOD functions.

- Resolves problems encountered, and interprets publications pertaining to detecting, identifying, rendering safe, recovering, transporting, and disposing of explosive, incendiary, chemical, biological, and nuclear ordnance.
- Plans, organizes, directs, and assists in safing, removing, and disposing of explosives and explosive ordnance rendered hazardous as a result of crashed or disabled aircraft and missiles to include ejection and catapult devices, squibs, explosive bolts, warheads, bombs, rockets, guided missiles, guns, and gun ammunition.
- Provides guidance and assistance detecting, monitoring, evaluating, and decontaminating radioactive, chemical, or biological hazards.
- Supervises, demonstrates, and assists in using special tools, equipment, and techniques pertaining to EOD.
- Directs explosive ordnance indoctrination programs.

5. Skill/Career Progression. Adequate training and timely progression from the apprentice to the superintendent skill level plays an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training does their part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure individuals receive viable training at appropriate points in their careers.

5.1. Apprentice. (3-Level)

- Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills.
- Utilize the Career Development Course (CDC), Qualification Training Packages (QTPs) and other exportable courses to progress in the career field.
- Once task certified, a trainee may perform the task unsupervised.

5.2. Journeyman. (5-Level)

- Enter into continuation training to broaden experience base.
- 5-Levels may be assigned job positions such as EOD team chief and section supervisor.
- Will attend the Airman Leadership School (ALS) after serving 48 months in the Air Force (active duty only). In-residence or correspondence course required for Air Reserve Component (ARC) personnel.
- Will use CDCs to prepare for Weighted Airman Performance Systems (WAPS) testing.
- Should continue pursuing a Community College of the Air Force (CCAF) degree.

5.3. Craftsman. (7-Level)

- A craftsman can expect to fill various supervisory and management positions such as flight chief, EOD superintendent, and MAJCOM staff positions.
- Seven-levels should take courses or obtain added knowledge on management of resources and personnel, and attend the 7-level resident course.
- Continue academic education through CCAF and higher degree programs is encouraged.
- Will attend the Noncommissioned Officer Academy (NCOA) after promotion to TSgt (active duty only). In-residence or correspondence course required for ARC personnel.

5.4. Superintendent. (9-Level)

- A 9-level can be expected to fill positions such as flight chief, superintendents, and various staff positions.
- Should pursue increased knowledge of budget, manpower, resources, and personnel management.
- Recommend the pursuit of additional higher education and completion of courses outside of their career AFS.

5.5. Civil Engineer EOD Manager.

- Must be selected for CMSgt and possess qualifications in feeder specialty 3E890.
- Will work in a variety of similar jobs and functional areas where general managerial and supervisory abilities can be most effectively used and challenged.
- Resident graduation of the USAF Senior NCO Academy (SNCOA) is a prerequisite for CMSgt sew-on (active duty only). In-residence or correspondence course required for ARC personnel.

6. Training Decisions. This CFETP was developed to include life-cycle training requirements for this specialty. Included in this spectrum was the strategy of when, where, and how to meet these training requirements. The following decisions were made at the career field Utilization & Training Workshop (U&TW) held at Eglin AFB FL in April 1996.

- Commission Brooks Laboratory AL/HRTE, Brooks AFB TX, to review Physical Profile Series Factors (PULHES) and Strength Aptitude (X-Factor) as listed in AFMAN 36-2108, Airman Classification.
- Investigate the development of a Mission Ready Technician (MRT) Course for EOD basic students. The purpose of the course would be to provide training on AF service-unique equipment and procedures. A suggested list of equipment and procedures was prepared.
- Pursue development of a multimedia training program for the EOD Career Field. Multimedia training would be developed using the Fire Fighter Multimedia Training Program modified for EOD use.
- Pursue development of an advanced Improvised Explosive (IED) Device course to enhanced training on large advance technology IEDs.

7. Community College of the Air Force (CCAF) Academic Programs. Airmen are automatically enrolled in CCAF upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition to its associates degree program, CCAF offers the following:

- **Occupational Instructor Certification.** Upon completion of instructor qualification training (consisting of the Instructor Methods course and supervised practice teaching), CCAF instructors possessing an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.
- **Trade Skill Certification.** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency-based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.1. The Explosive Ordnance Disposal Associates Degree (4VRC) applies to AFSC 3E8X1.

7.2. Degree Requirements. All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

Course	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6

Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total	64

7.2.1. Technical Education (24 Semester Hours): A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective subjects/courses. Requests to substitute subjects/courses must be approved in advance. Refer to the CCAF General Catalog for application of courses to the technical education area.

Technical Core

Subject/Courses	Semester Hours
Algebra-Based Physics	8
CCAF Internship	16
Electricity.....	6
Explosive Ordnance Disposal.....	9
Hazardous Materials.....	3
General Chemistry	4
Instructional Methodology.....	3

Technical Electives

Subjects/Courses	Semester Hours
Accident Prevention	3
AF Enlisted Professional Military Education	12
Basic Photography (Camera/Video Operations).....	3
Blueprint Reading/Schematic Diagrams	3
Computer Science	6
Emergency Medicine	3
Heavy Construction Vehicle Operation	3
Industrial Safety	3
Industrial X-ray/Non-Destructive Inspection.....	3
International Terrorism.....	3
Introduction to Criminal Justice.....	3
Introduction to Fire Science.....	3
Inventory Management.....	3
Investigative Techniques.....	3
Map and Compass Reading.....	3
Marksmanship	3
Nuclear Science.....	4

Public Safety and Telecommunications	3
Search-and-Rescue Techniques.....	3
Statistics.....	3
Technical Mathematics (College Algebra or Higher)	3
Technical Writing	3

7.2.2. Leadership, Management, and Military Studies (LMMS) (6 Semester Hours): Professional military education and/or civilian management courses. The preferred method of completing LMMS is through attendance at an Airman Leadership School, NCO Academy, and/or Air Force Senior NCO Academy. However, civilian courses that emphasize fundamentals of managing human or material resources may also be applicable. See CCAF General Catalog for application of courses to the Leadership, Management, and Military Studies area.

7.2.3. Physical Education (4 Semester Hours): This requirement is satisfied by completion of basic military training.

7.2.4. General Education (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

General Education	Semester Hours
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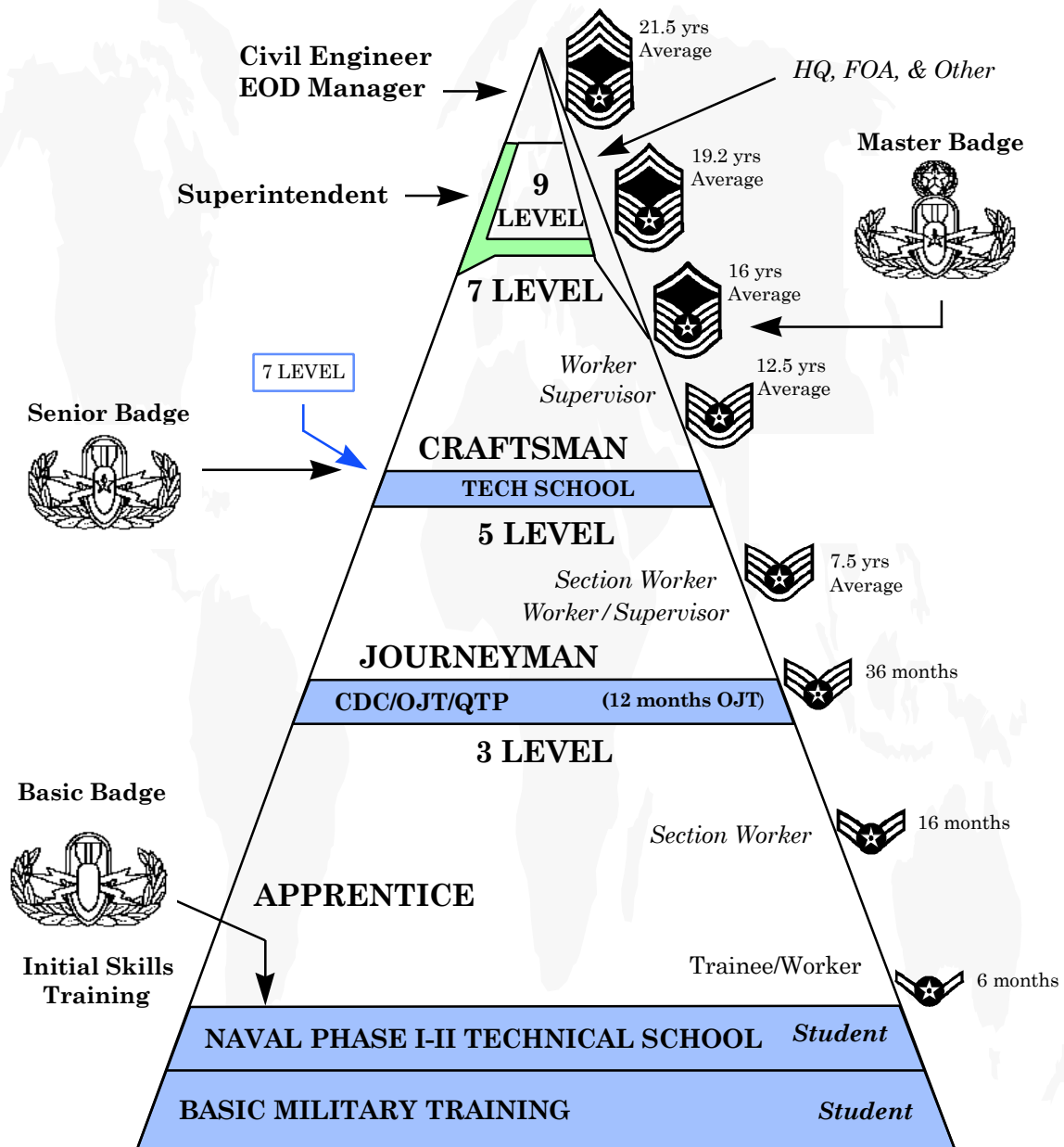
Oral Communications (Speech)	3
Written Communication (English Composition)	3
Mathematics	3
Intermediate Algebra or a college-level mathematics course is required. If an acceptable mathematics course is applied as a Technical or Program Elective, natural science course meeting GER application criteria may be applied as a General Education Requirement.	
Social Science	3
Anthropology, Archaeology, Economics, Geography, Government, History, Political Science, Psychology, Sociology	
Humanities	3
Fine Arts (History, Criticism, and Appreciation), Foreign Language, Literature, Philosophy, Religion	

7.2.5. Program Elective (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Sciences in EOD Technology.

7.3. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command (AETC) Instructor should actively pursue an Associates Degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path. The following chart depicts this specialty's career path.

EOD Enlisted Career Pyramid



8.1. The Explosive Ordnance Disposal Manpower table represents the 1997 demographics for the specialty by grade.

Table 8.1 - Manpower Table									
	CMSgt	SMSgt	MSgt	TSgt	SSgt	SRA	A1C	AMN	AB
BASE	11	23	90	107	227	226	144	0	0
MAJCOM Staff	3	5	9	0	0	0	0	0	0
Air Force Staff	0	0	0	0	0	0	0	0	0
FOA/ DNA	1	2	1	0	0	0	0	0	0
TOTAL	15	30	100	107	227	226	144	0	0

8.2. CE Occupational Badge. The Civil Engineer badge reflects a great history and tradition. By wearing it, you will be recognized by your fellow airmen as having achieved an expected level of competence. The multitude of engineers before you established this expectation through excellent service in both peace and war. Eligibility criteria for award and wear of AF occupational badges can be found in AFI 36-2923 (Aeronautical, Duty, and Occupational Badges), on the AFEPL, Air Force Electronic Publications Library.

8.2.1. CE Badge Heraldry. The gear wheel and compass have historically been used to represent the engineering profession, in both the military and civilian sector. The gear represents the essence of engineering: applying scientific principles and technology to practical ends. To Air Force engineers, the gear symbolizes an element (representing the built environment) that meshes with other environments (weapon systems and trained personnel) to enable the Air Force to perform its mission. The compass is a precision tool historically used by engineers in designing and constructing facilities and equipment. The gear and compass together symbolize all the diverse specialties within Air Force civil engineer. Finally, the wings help to portray the fundamental linkage between the engineering and aviation components; and that the built environment is the foundation supporting Air Force mission and people.

8.3. EOD Occupational Badge. The EOD badge reflects the achievements and laurels gained in eliminating or minimizing accident potentials of hazardous ordnance, through the ingenuity and devotion to duty of our fellow EOD professionals. It also serves as a living memorial of our fellow EOD professionals who gave their lives while performing EOD duties. Eligibility criteria for award and wear of AF EOD occupational badges can be found in AFI 36-2923 (Aeronautical, Duty, and Occupational Badges), on the AFEPL, Air Force Electronic Publications Library.

8.3.1. EOD Badge Heraldry. The wreath is symbolic of the achievements and laurels gained in minimizing accident potentials, through the ingenuity and devotion to duty of its members. It is in the memory of those EOD professionals who gave their lives while performing EOD duties.

The bomb, copied from the design of the World War II, Bomb Disposal Badge, represents the historic and major objectives of the EOD attack, the unexploded bomb. The three fins represent the major areas of nuclear, conventional, and chemical/biological interest **The lightning bolts** symbolize the potential destructive power of the bomb and the courage and professionalism of EOD personnel in their endeavors to reduce hazards as well as to render explosive ordnance harmless.

The shield represents the EOD mission-prevent a detonation and protect the surrounding area and property to the utmost.

8.4. Basic Badges. The basic badge is awarded upon successful completion of the apprentice course.

8.5. Senior Badges. The senior badge adds a star to the top of the badge. This is awarded after the member successfully completes the 7-level awarding course.

8.6. Master Badge. The master badge adds a wreath around the star. It's awarded to master sergeant or above with 5 years in the specialty from award of the 7-skill level.

8.7. Enlisted Career Path.

Table 8.2 Enlisted Career Path				
Education and Training Requirements	GRADE REQUIREMENTS			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training school				
Apprentice Technical School (3-Skill Level)	AMN A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Complete 3 months duty position/apprentice experience before beginning journeyman training. - Minimum 12 months on-the-job training. - Complete appropriate CDC if/when available. - Sew-on SrA for award of the 5-skill level.	SrA	3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).	<u>Trainer</u> - Trainer must be qualified and certified on tasks to be trained. - Must attend formal AF Training Course and be appointed by Commander.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - 18 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
Retrainee: - Minimum of 3 months apprenticeship - Minimum 6 months for 5-level - Minimum 12 months for 7-level UGT	<u>Certifier</u> - SSgt with 5-skill level or civilian equivalent. - Attend formal AF Certifier Course and appointed by Commander. - Be a person other than the trainer (for core and critical tasks only).			
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt	12.5 years	5 years	20 Years
	MSgt	16 years	8 years	24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt. - Must be a resident graduate of SNCOA (Active Duty Only).	CMSgt	21.5 years	14 years	30 Years

SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

9. Purpose. The various skill in the career field are defined in terms of tasks and knowledge requirements for the EOD career ladder. They are stated in broad, general terms and establish the standards of performance. An all encompassing core task list has been developed for this specialty because of the diversity of the missions supported and the equipment installed to meet mission requirements. Core tasks, knowledge items, and skill requirements for this specialty are identified in the STS. Completion of the mandatory 3-level skill awarding course, the mandatory use and completion of CDCs, the mandatory 7-level course, and the mandatory use and completion of applicable AFJQS/AFQTPs comprise the Air Force core tasks for this specialty.

10. Skill Level Training Requirements.

10.1. Apprentice (3-Level) Training Requirements. (3E831)

10.1.1. Specialty Qualifications.

10.1.1.1. Knowledge. Completion of the basic EOD course satisfies this mandatory requirement.

10.1.1.2. Education.

- Completion of high school or general educational development equivalency is mandatory.
- Completion of high school courses in mechanics, physics, or basic electricity is desirable.

10.1.1.3. Training.

- Non-prior service EOD trainees attend the EOD Preliminary Course at Lackland AFB, TX.
- Completion of Phase I, US Naval Explosive Ordnance Disposal School Detachment, J5AQN3E831 000, Eglin AFB, FL and Phase II, US Naval Explosive Ordnance Disposal School, J5ABN3E831 001, Indian Head NWSC, MD is mandatory for award of this skill level.

10.1.1.4. Experience.

10.1.1.5. Other.

- No record of emotional instability is mandatory for entry, award, and retention of this AFSC.
- Normal color vision as defined in AFMAN 48-123, Medical Examination and Standards, is mandatory for entry into this AFSC.
- Normal depth perception as defined in AFMAN 48-123 is mandatory for entry, award,

and retention of this AFSC.

- Eligibility for a Secret security clearance according to AFI 31-501, Personnel Security Management Program, is mandatory for award and retention of the semi-skilled AFSC.
- Mandatory AQE scores General-60 and Mechanical-61.

10.1.2. Training Sources/Resources.

- Formal training is accomplished through of Phase I, US Naval Explosive Ordnance Disposal School Detachment, J5AQN3E831 000 at Eglin AFB, FL.
- Phase II, US Naval Explosive Ordnance Disposal School, J5ABN3E831 001, at Indian Head NWSC, MD.
- The COL (Part II, Section B of this CFETP) identifies all the knowledge and tasks, with their respective standards.
- QTPs are mandatory for use during UGT/QT, when available for a duty position or piece of equipment.

10.1.3. Implementation.

- The 3-skill level is awarded upon graduating Phase I EOD courses J5AQN3E831 000, Eglin AFB, FL, and Phase II EOD course J5ABN3E831, Indian Head NWSC, MD.

10.2. Journeyman (5-Level) Training Requirements. (3E851)

10.2.1. Specialty Qualifications. Entry into 5-level upgrade training is initiated after the individual has completed the 3-level school and performed as an apprentice for a minimum of 3 months or a maximum of 6 months. All 3E831 qualifications apply to 3E851 requirements.

10.2.1.1. Knowledge. Knowledge is mandatory of:

- Composition and characteristics of United States and known foreign explosive, incendiary, chemical and nuclear munitions.
- Principles of basic electricity.
- Handling, use, and disposal of hazardous wastes and materials.

10.2.1.2. Education.

10.2.1.3. Training.

- Completion of CDCs 3E851, Explosive Ordnance Disposal Journeyman.

- Completion of CDC 3E050, General Contingency Responsibilities, is mandatory for all Civil Engineer personnel after completion of their specialty CDC.
- All core tasks identified with a single asterisk (*) in the core task column of the STS.
- Duty position requirements identified by the supervisor.

10.2.1.4. Experience.

- Experience is mandatory in performing functions such as rendering safe, removing, and destroying hazardous or unserviceable United States explosive ordnance.
- Experience is desirable in performing functions such as rendering safe, removing and destroying hazardous or unserviceable foreign munitions; and in decontamination activities.

10.2.1.5. Other.

10.2.2. Training Source/Resources.

- CDC 3E851, Explosive Ordnance Disposal Journeyman,
- CDC 3E050, General Contingency Responsibilities
- The STS (Part II, Section A, of this CFETP) identifies all the core tasks required for qualification in the individual's duty position.
- Qualified trainers provide upgrade and qualification training for duty positions, managed programs, and/or equipment to be used.

10.2.3. Implementation.

- Entry into formal Journeyman upgrade training is accomplished 6 months after individuals are assigned to their first duty station (a minimum of 3 months with supervisor approval). During this initial 3-6 months, apprentices build task experience while reinforcing training learned at the technical school.
- CDCs for this specialty may be ordered (with supervisor's concurrence) one month prior to completion of the 3-6 month period.
- Qualification training is initiated any time individuals are assigned duties they are not qualified to perform.
- When available, QTPs are used concurrently to obtain necessary duty position qualifications.

10.3. Craftsman (7-skill level) Training Requirements. (3E871)

10.3.1. Specialty Qualifications. All 3E851 qualifications in addition to the following:

10.3.1.1. Knowledge. Knowledge is mandatory of:

- Composition and characteristics of United States and known foreign explosive, incendiary, chemical and nuclear ordnance.
- Principles of basic electricity.
- Handling, use, and disposal of hazardous wastes and materials.

10.3.1.2. Education.

- To assume the grade of SSgt, individuals must successfully complete Airman Leadership School (active duty only).
- To assume the grade of MSgt, individuals must successfully complete the NCO Academy (active duty only).
- For ANG/AFRES, completion of ECI courses 00001 (ALS) and 00006 D&E (NCO Academy) satisfy the requirements.

10.3.1.3. Training.

- Completion of in-residence 7-level course J3ACP3E871 00 is mandatory.
- All core tasks identified with a double asterisk (**) in the core column of the STS.
- When available, the QTPs for the assigned core tasks.
- Duty position requirements identified by the supervisor.

10.3.1.4. Experience.

- Qualification in and possession of AFSC 3E851.
- Experience is mandatory in performing or supervising functions such as rendering safe, removing, or destroying dangerous or unserviceable United States explosive ordnance.
- Experience is desirable in performing or supervising functions such as rendering safe, removing, and destroying dangerous or unserviceable foreign explosive ordnance and in decontamination activities.

10.3.1.5. Other.

10.3.2. Training Source/Resources.

- Course J3ACP3E871 00, In-resident EOD 7-Level Management.
- NCO Academy Course 00006 D&E (paper base correspondence).
- STS (Part II, Section A of this CFETP) identifies all the core tasks required for qualification in the individual's duty position.
- Qualified trainers provide upgrade and qualification training for duty positions, managed programs, and/or equipment to be used.

10.3.3. Implementation.

- Entry into OJT is initiated when an individual has obtained the necessary rank and skill level.
- Qualification training is initiated anytime individuals are assigned duties they are not qualified to perform.

10.4. Superintendent (9-skill level) Training Requirements. (3E891)

10.4.1. Specialty Qualifications.

10.4.1.1. Knowledge. Knowledge is mandatory of:

- Composition and characteristics of United States and known foreign explosive, incendiary, chemical and nuclear ordnance.
- Basic electricity
- Handling, use, and disposal of hazardous wastes and materials.

10.4.1.2. Education.

- Completion of in-residence Senior NCO Academy is mandatory (active duty only).
- For ANG/AFRES, completion of ECI course 00008 D&E (paper base correspondence) **or** course 00005 (computer based CD ROM) satisfy the Senior NCO Academy requirement.

10.4.1.3. Training. Completion of duty position training requirements.

10.4.1.4. Experience.

- Qualification in and possession of AFSC 3E871 is mandatory.

- Experience is mandatory in directing functions such as detecting, identifying, rendering safe, recovering, or destroying explosive, incendiary, or nuclear ordnance.

10.4.1.5. Other.

10.4.2. Training Sources/Resources.

- In-residence SNCO Academy located at Maxwell AFB - Gunter Annex AL.
- SNCO Academy Course 00008 D&E (paper base correspondence).
- SNCO Academy Course 00005 (exportable computer based CD ROM).

10.4.3. Implementation.

- Entry into 9-level training is initiated when an individual is selected for SMSgt and is fully qualified in the AFS 3E871.
- QT is initiated any time an individual is assigned duties they are not qualified to perform.

10.5. Civil Engineer EOD Manager.

10.5.1. Specialty Qualification.

10.5.1.1. Knowledge. Knowledge is mandatory of:

- Managing and directing personnel resource activities.
- Interpreting and enforcing policy and applicable directives.
- Establishing control procedures to meet work goals and standards.
- Recommending or initiating actions to improve operational efficiency.
- Planning and programming work commitments and schedules.
- Developing plans regarding EOD operations.

10.5.1.2. Education.

10.5.1.3. Training.

10.5.1.4. Experience.

- Possess qualifications in feeder specialty (3E891) prior to award of Civil Engineer Manager code 3E800.

- Managerial ability to plan, direct, coordinate, implement, and control a wide range of work activity.

10.5.1.5. Other.

10.5.2. Training Sources and Resources.

10.5.3. Implementation. Entry into Civil Engineer Manager code 3E800 is initiated when an individual is selected for CMSgt and possess qualifications in specialty 3E891.

SECTION D - RESOURCE CONSTRAINTS

11. Purpose. This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. HQ AFCESA/CEOT and HQ AETC training experts will review and update resource constraints annually.

12. Apprentice (3-Level) Training.

- J5AQN3E831 000, EOD School Phase I
- J5ABN3E831 001, EOD School Phase II

12.1. Constraint. Course implementation with slashes (column 4A1). Course cannot be implemented until completion and approval of Plan of Instruction (POI). **Note: Final removal of those constraints (identified with slashes in column 4A1) cannot occur until full implementation of the Mission Ready Technician (MRT) program.**

12.1.1. Impact. Required training will not be ready for implementation upon publication of this CFETP.

12.1.2. Resources Required. Full implementation of training requirements (removal of slashes in column 4A1) cannot be accomplished until MRT program initiatives have been fully funded (equipment, manpower, etc.).

12.1.3. Action Required. Complete revision of the 3-level course to meet all training requirements and proficiency codes identified in this CFETP.

12.2. OPR/Target Completion Date. 366 TRS/TSIR will begin revised training upon full implementation of MRT program.

13. Journeyman (5-Level) Training. No resource constraints.

14. Craftsman (7-Level) Training. No resource constraints

15. Superintendent (9-Level) Training. No resource constraints

SECTION E - TRANSITIONAL TRAINING GUIDE

“There are currently no transition training requirements. This area is reserved.”

PART II

SECTION A - SPECIALTY TRAINING STANDARD

1. Implementation. This STS will be used to identify technical training provided by AETC for the 3-level Explosive Ordnance Disposal course with class beginning 22 Oct 97 and graduating 18 May 98 and the 7-level Civil Engineer Explosive Ordnance Disposal Craftsman course with class beginning 4 May 98 and graduating 15 May 98.

2. Purpose. As prescribed in AFI 36-2201, this STS:

2.1. Lists in Column 1 (*Tasks, Knowledge, and Technical Reference*) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level.

2.2. Column 2 (*Core/Wartime Tasks*) identifies core tasks (specialty-wide training requirements) by an asterisk (*) for 5- and 7- skill levels or a double asterisk (**) for 7-skill level only. *As a minimum, trainees must complete all core and critical tasks for skill level upgrade.*

2.2.1. Wartime tasks are identified by a “/” followed by a proficiency code (“/b”). In response to a wartime scenario, these tasks will be taught in the 3-level course in a streamlined training environment.

2.3. Provides **certification for OJT**. Columns 3A, B, C, D, and E are used to record completion of tasks and knowledge training requirements. If available, use automated training management systems to document technician qualifications. **Task certification of core and critical tasks** require a training completion date and initials of the trainee, trainer, and certifier. All non-core tasks require training completion date and initials of the trainee and trainer only.

2.4. Shows **formal training and correspondence course** requirements. Columns 4A, B, and C show the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the initial skills training course, correspondence course, and read-ahead material. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listings.

2.5. Identifies **qualitative requirements**. Attachment 1 contains the *Proficiency Code Key* used to indicate the level of training and knowledge provided by resident training and career development courses.

2.6. Becomes a **job qualification standard (JQS)** for on-the-job training when placed in AF Form 623, Individual Training Record, and used according to AFI 36-2201. When used as a JQS, the following requirements apply:

2.6.1. Documentation. Document and certify completion of training.

2.6.1.1. Identify **current duty position requirements** by circling the subparagraph number or letter next to the task statement. Document task completion by annotating columns 3A, 3B, 3C, and 3D. *Note:* All entries shall be made in pencil.

2.6.1.2. Transcribing from old document to CFETP. Use the new STS to identify and certify all current and past task qualifications.

2.6.1.2.1. For **tasks previously certified and still required in the current duty position:**

2.6.1.2.1.1. For **core and critical tasks** the supervisor and certifier evaluates airman's current qualifications and validates airman's ability to complete the task. The supervisor and certifier then enter their initials and new certified date. (They are in essence "recertifying" the individual.)

2.6.1.2.1.2. For **non-core tasks**, the supervisor evaluates airman's current qualifications and validates airman's ability to complete the task. The supervisor then enters their initials in column 3D and a new training completion date in column 3B.

2.6.1.2.2. To **transcribe previous certifications for tasks not required in the current duty position**, carry forward only the previous completion dates (not the initials of another person). If and when these tasks become a duty position requirement, recertify with current date and supervisor's and trainee's initials.

2.6.1.3. Documenting Career Knowledge. When a CDC is not available, the supervisor identifies STS training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover all mandatory items specified in AFMAN 36-2108, Utilization and Classification of Air Force Military Personnel. For two-time CDC exam failures, supervisors identify all STS items corresponding to the areas covered by the CDC. The trainee completes a study of STS references, undergoes evaluation by the task certifier, and receives certification on the STS. *NOTE:* Career knowledge must be documented prior to submitting a CDC waiver.

2.6.1.4. Decertification and Recertification. When an airman is found to be unqualified on a task, the supervisor shall erase previous certification and enter airman into qualification training. Appropriate remarks are entered on the AF Form 623a, On-The-Job Training Record Continuation Sheet, as to the reason for decertification. The individual is recertified using the normal certification process.

2.6.2. Training Standard. Tasks are trained and certified to the "go" level. "Go" means the individual can perform the task without assistance and meets the local requirements for accuracy, timeliness, and correct use of procedures. This equates to a "3c" in the proficiency code key. AFQTPs, when available, shall be used to identify Air Force standardized procedures. Local requirements for accuracy, timeliness and use of procedures shall be applied accordingly.

2.8. Is a guide for **development of promotion tests** used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, United States Air Force Reenlistment, Retention, and NCO Status Programs. WAPS is not applicable to the Air National Guard or Air Reserve Forces.

3. Recommendations. Comments and recommendations are invited concerning quality of training AETC graduates receive. Reference this STS regarding changes and address your correspondence to 366 TRS/CC, 727 Missile Road, Sheppard AFB TX 76311-2254 or E-mail to 366trs@366trs.spd.aetc.af.mil. Correspondence can also be mailed to 782 TRG/TTS, 826 G Avenue, Suite 4, Sheppard AFB TX 76311-2857 or E-mail 782csil@spd.aetc.af.mil. A 782d customer service information line (CSIL) has been installed for the supervisor's convenience to identify graduates who may have received over or under training on tasks/knowledge items listed in this STS. For a quick response to problems, call the CSIL at DSN 736-2574 any time (day or night).

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

EUGENE A. LUPIA, Maj Gen, USAF
The Civil Engineer
DCS/Installations and Logistics

3 Attachments

1. Qualitative Requirements
2. 3-, 5-, and 7-level career field training requirements
3. 3- and 5-level general contingency training requirements

This block is for identification purposes only.		
Name of Trainee		
Printed Name (Last, First, Middle)	Initials (Written)	SSAN
Printed Names and Written Initials of Training and Certifying Officials		
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	

Qualitative Requirements

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (Extremely limited)
	2	Can do most parts of the task. Needs only help on hardest parts. (Partially proficient)
	3	Can do all parts of the task. Needs only a spot check of completed work. (Competent)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (Highly proficient)
Task Knowledge Levels *	a	Can name parts, tools, and simple facts about the task. (Nomenclature)
	b	Can determine step by step procedures for doing the task. (Procedures)
	c	Can identify why and when the task must be done and why each step is needed. (Operating principles)
	d	Can predict, isolate, and resolve problems about the task. (Advanced theory)
Subject Knowledge Levels **	A	Can identify basic facts and terms about the subject. (Facts)
	B	Can identify relationship of basic facts and state general principles about the subject. (Principles)
	C	Can analyze facts and principles and draw conclusions about the subject. (Analysis)
	D	Can evaluate conditions and make proper decisions about the subject. (Evaluation)
Explanations * A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: "b" and "1b") ** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks. /X This mark is used in course columns to show that training is required but not given due to resource constraints. / Lower code (3c/2b) indicates that a task is being trained to a level that is lower than required. Specific tasks not identified with a symbol or proficiency code key (blank) indicates that no training is provided in the course or CDC. Major commands and/or units may establish scale values and combat training as dictated by mission requirements.		

Attachment 1

Note 1: Trainers are responsible for annotating references to identify current sources pending STS revision.

Note 2: Underlined training references are commercial publications or other publications essential for enlisted speciality training and mission accomplishment.

Note 3: Task knowledge gained at Basic Military Training (BMT) will not be repeated during resident training.

Note 4: Completion of the 7 level Read-ahead Material (RAM), J3ACP3E8X1 000, Explosive Ordnance Disposal Craftsman resident course, must be successfully completed (demonstrated by testing) by seven-level candidates prior to attending.

Note 5: QTPs may be provided through multiple delivery systems (paper-based, CD-ROM, or video). When delivered, completion is required for upgrade or qualification. When available, QTPs will be identified in the Air Force Index 8.

1. Task Knowledge And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A		B		C	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level		5 Skill Level		7 Skill Level	
							(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
1. CE ORGANIZATION AND CAREER FIELD STRUCTURE TR: AFDD 2-4.2; AFIs 10-209, 10-210, 10-211, 32-1022, 32-1031, 36-2101, 38-101, 51-903; AFMAN 36-2108; War & Mobilization Plan (WMP)-1, Annex S												
1.1. Base Civil Engineer (BCE) structure							A/X		B			
1.2. Duties and Responsibilities												
1.2.1. Peacetime							A/X		B			
1.2.2. Contingency							A/X		B			
1.3. Functions of:												
1.3.1. Base Civil Engineer (BCE)							A/X		B			
1.3.2. Prime BEEF							A/X		B			
1.3.3. RED HORSE							A/X		B			
1.3.4. HQ AFRES/ANG							A/X		B			
1.4. Resources												
1.4.1. Assess manpower Requirements											b	2b
1.4.2. Identify budgeting requirements											b	2b
1.4.3. Determine equipment requirements											b	3c
1.4.4. Use Allowance Standards (AS)											b	3c
1.4.5. Assess vehiclerequirements											b	3c
1.4.6. Contract Services												
1.4.7. Simplified Acquisition of Base Engineering Requirements (SABER)												
1.4.8. Management Equipment Evaluation Program(MEEP)											B	

Explosive Ordnance Disposal

3E8X1

1. Task Knowledge And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
1.4.9. Research, Development, and Acquisition (RD&A) TR: DoDD 5000.1												
1.4.9.1. Process											B	B
1.4.9.2. Unit Responsibilities											B	B
1.4.9.3. Major Command Responsibilities											B	B
2. SECURITY TR: AFIs 10-101, 21-101, 21-209, 21-401, 21 Series; 22-100, 22-200 Series; AFRs 55-20, 205 Series, 207-1, and DoD 5200.1R												
2.1. Classified Information												
2.1.1. Prevent Security Violations	**/											
2.1.2. Use MAJCOMs EEFls												
2.1.3. Observe Security Precautions	*/						b					
2.2. OPSEC vulnerabilities of AFSC 3E8X1							a		b			
2.3. Security Requirements for EOD Publications												
2.3.1. Store EOD Publications	**/								b			
2.3.2. Perform Control and Access Procedures	**/								b			
2.3.3. Destroy and Dispose of EOD Publications	**/								b			
2.3.4. Transport EOD Publications	*/								b			
2.3.5. Report Security Deviations									b			
2.4. Protect Firearms and Munitions	*/								b			
3. TRAINING TR: AFIs 33-108, 36-2101, 36-2201, 36-2202; AFMAN 36-2108; AFCAT 36-2223												
3.1. Evaluate Personnel to Determine Need for Training												
3.2. Enlisted Specialty Training (EST) Supervision												
3.2.1. Prepare Job Qualification Standards												
3.2.2. Conduct Training	*/						1a/X					

Explosive Ordnance Disposal

3E8X1

1. Task Knowledge And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
3.2.3. Counsel Trainees on their Progress												
3.2.4. Monitor Training Effectiveness of:												
3.2.4.1. Career Knowledge												
3.2.4.2. Job Proficiency Up-Grade												
3.2.4.3. Qualification												
3.3. Maintain Training Records												
3.4. Evaluate Effectiveness of Training Programs												
3.5. Recommend Personnel for Training												
3.6. Base Level Training Systems												
3.7. Mission Ready Training Allocations Program											B	
3.8. Certification Requirements												
4. Computer Automated Software Program (CASP) TR: AFI 32-3001												
4.1. Use the Integrated Training Requirement (ITR) Module for Training Scheduling and Documentation							3c/X		b			
4.2. Use the Resource Inventory Control (RIC) Sub-module for posting and Tracking USAF TOs							3c/X		b			
4.3. Use Technical Orders Management (TOM) Sub-module for Posting and Tracking USAF TOs							3c/X		b			
5. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFD 91-2, 91-3; AFIs 38-2105, 58 Series, 91-302, 91-502, 91-505, 91-509, AFIND 17; TOs 60A Series and TO 00-25-235												
5.1. USAF Mishap Prevention Program									B			
5.2. Identify hazards of AFSC 3E8X1							A		B			
5.3. AFOSH Standards of AFSC 3E8X1									B			

Explosive Ordnance Disposal**3E8X1**

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		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
5.4. Use Personal Protective Equipment									b			
5.5. Supervise Fire Protection									B			
5.6. Implement Nuclear Surety Program									B			
5.7. Mishap Reporting and Investigation									A			
5.8. Report and Investigate Mishaps												
5.9. Explosive Safety Program									B			
5.10. Perform Confined Space Entry and Rescue							3c/X					
5.11. Lead-based paint (LBP) hazard TR: 29 CFR 1926.62; Working With Lead-based Paint: Facts and Information Applicable to Air Force Facilities							B/X					
5.12. Initial Federal Hazard Communication Training Program (FHCTP) TR: DoD 6050.5-G-1; AFOSH 121-21; AFI 91-302							B/X					
6. EXPLOSIVE ORDNANCE DISPOSAL JOURNEYMAN AND CRAFTSMAN CAREER FIELD TR: AFD 32-30, AFIs 32-3001, 32-3002, 36-2108, and TOs 60A Series												
6.1. History of Air Force EOD Program									A			
6.2. Progression in Career Ladder 3E8X1												
6.3. Duties of AFSCs 3E831/51/71												
6.3.1. Peacetime							A/X		B			
6.3.2. Contingency							A/X		B			
7. SUPERVISION TR: AFMAN 36-2108; AFIs 36-2201, 36-2403, 36-3104; AFPAM 36-3627; AFP 35-49; DoDD 5500-7												

Explosive Ordnance Disposal**3E8X1**

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		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
7.1. Orient New Personnel												
7.2. Assign Personnel to Work Crews												
7.3. Coordinate Work Requirements												
7.4. Schedule Work Assignments												
7.5. Establish:												
7.5.1. Work Methods												
7.5.2. Controls												
7.5.3. Performance Standards												
7.6. Evaluate Work Performance of Subordinate Personnel												
7.7. Resolve Technical Problems for Subordinate Personnel												
7.8. Counsel Personnel												
7.9. Initiate Action to Correct Substandard Performance by Personnel												
7.10. Direct Projects												
7.11. Quality Air Force (QAF) principle							A/X					
8. EOD FLIGHT MANAGEMENT TR: DoD 5100.52M, AFD 32-30, AFPD 91-1, AFIs 38-101, 71-104, 91-101, 32-3001, TO 00-35D-54, 60A Series, and EOD CASP												
8.1. Air Staff and MAJCOM Responsibilities									B			
8.2. Organizational Structure							A/X		B			
8.3. Specialized Unit/Command Responsibilities											B	
8.4. Incident Response												
8.4.1. Procedures	*/						a		b			
8.4.2. Report	**/						3c/X		b			
8.5. Report Material Deficiencies									b			
8.6. Determine/Perform:												
8.6.1. Administration Function									b			
8.6.2. Technical Order Function									b			
8.6.3. Training Operations Function									b			
8.6.4. Mobility Function									b			
8.6.5. Equipment Function									b			

Explosive Ordnance Disposal

3E8X1

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		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
8.6.6. Supply Function									b			
8.6.7. Operations Function									b			
8.7. Mobility Team Chief Responsibilities												
8.7.1. Identify the Elements of the UTCs							A/X					
8.7.2. EOD ESL Overview							A/X					
8.7.3. Requirements of Mobility Processing												
8.7.4. Store Explosive Materials												
8.8. Develop Contingency Plans Input											b	2b
8.9. Interpret:												
8.9.1. Time-Phased Force Deployment List (TPFDL)											b	2b
8.9.2. War and Mobilization Plan (WMP)											b	
8.9.3. Contingency Operations/Mobility Planning and Execution System (COMPES)											b	2b
8.10. Identify Requirements for Situation Reports (SITREP)											b	3c
8.11. Develop:												
8.11.1. Site Plans											b	2b
8.11.2. Waviers											b	2b
8.12. Frequency Management Requirements									A			
8.13. Mortuary Support									B			
9. PUBLICATIONS PROGRAMS TR: AFD 21-3, AFI 32-3001; 37-160 V1 & V7; TOs 00-5-1, 00-5-2, 00-5-18, 0-1 Series indexes, and EOD CASP												
9.1. Administrative Publications									A			
9.2. Technical Orders (TOs)												
9.2.1. Technical Order System							A		B			
9.2.2. Use Indexes to Locate Information							3c/2b		b			
9.2.3. Use TOs When Performing Tasks	*/						3c/2b		b			
9.2.4. Establish and Maintain TO files									b			

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		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
9.2.5. Requisition TOs									b			
9.2.6. Initiate TO Improvement Reports									b			
10. NEW EOD DEVELOPMENTS TR: 60A Series, and NAIC Publications												
10.1. Air Force New Development							A/X					
11. APPLIED PRINCIPLES OF PHYSICS TR: 60A Series												
11.1. Properties of Matter							B		B			
11.2. Laws of Motion							B		B			
11.3. Simple Machines							B		B			
11.4. Measurement Systems												
11.4.1. English System							B		B			
11.4.2. Metric System							B		B			
11.4.3. Convert Between Systems	*/						2b		b			
12. TOOLS AND EQUIPMENT TR: TOs 00-20-1, 00-20F-2, 11A-20-15-1, 11H3Series, 12S10 Series, 14P3 Series, 31 Series, 11W3 Series, 60A Series, and Commercial Manuals												
12.1. Common Handtools												
12.1.1. Select Proper Tools							2b		b			
12.1.2. Use Tools Properly							2b		b			
12.1.3. Maintain Tools									b			
12.2. Select, Use, and Return to Operational Status Specialized EOD Tools												
12.2.1. Mk 1	*/						2b/a		b			
12.2.2. Mk 2	*/						2b/a		b			
12.2.3. Mk Series Remote Control Transporters	*/						1a/X		b			
12.2.4. Mk 26 FOL	*/						2b/a		b			
12.2.5. Mk 31 JROD	*/						2b/X		b			
12.2.6. Mk 32 XRAY	*/						2b/a		b			

Explosive Ordnance Disposal**3E8X1**

1. Task Knowledge And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
12.2.7. MX 22	*/						2b/X		b			
12.2.8. Valon	*/						2b/X		b			
12.2.9. Global Positioning System	*/						2b/X		b			
12.2.10. Tactical Radios	*/						2b/X		b			
12.2.11. M82A1 Barrett	*/						2b/X		b			
12.2.12. Bomb Suit	*/						2b/X		b			
12.2.13. Blanket/Shield							2b/X		b			
12.2.14. Cameras	*/						2b/X		b			
12.2.15. Field Fabricated Dearmer / Improvised Disposable Dearmer	*/						2b/X		b			
12.2.16. Night Vision Equipment	*/						2b/X		b			
12.2.17. ADM 300 Radiacs							2b/X		b			
12.2.18. AN-PDR 74 Radiacs							2b/X		b			
12.2.19. Generators							2b/X		b			
12.3. Periodic Maintenance of Specialized EOD Tools and Equipment												
12.3.1. Mk 1												
12.3.2. Mk 2												
12.3.3. Mk Series Remote Control Transporters												
12.3.4. Mk 26 FOL												
12.3.5. Mk 31 JROD												
12.3.6. Mk 32 XRAY												
12.3.7. MX 22												
12.3.8. Valon												
12.3.9. Global Positioning System												
12.3.10. Tactical Radios												
12.3.11. M82A1 Barrett												
12.3.12. Bomb Suit												
12.3.13. Blanket/Shield												
12.3.14. Cameras												
12.3.15. Field Fabricated Dearmer / Improvised Disposable Dearmer												
12.3.16. Night Vision Equipment												
12.3.17. ADM 300 Radiacs												
12.3.18. AN-PDR 74 Radiacs												
12.3.19. Generators												

1. Task Knowledge And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
13. EXPLOSIVES AND PROPELLANTS TR: DoD 6050.5M; TOs 11A-1-46, 11A-1-47, 11A-1-53, and 60A Series												
13.1. Identification							A		B			
13.2. Effects							A		B			
13.3. Application and Use							A		B			
13.4. Post Blast Analysis									B			
14. TREATMENT OF EXPLOSIVES AND RELATED HAZARDOUS MATERIALS TR: AFI 91-409; CFR 40, CFR 49; TOs 11A-1-42, 11A-1-60, 11A-1-66, 32 Series, 60A Series; and EPA 8700-22 Manifest												
14.1. RCRA												
14.1.1. Transport							a/X		b			
14.1.2. Treatment	*/								b			
14.1.3. Store									b			
14.1.4. Inspect									b			
14.1.5. Certify									b			3c
14.1.6. Environmental Protection Considerations												
14.1.6.1. Consider EPA Permits and Applications											b	3c
14.1.6.2. Identify Environmental Impacts Caused by EOD							a/X				b	3c
14.1.6.3. Identify EPA Regulations and Directives Pertaining to EOD Operations							a/X				b	3c
14.1.6.4. Determine EPA Documentation Requirements for:												
14.1.6.4.1. Transportation											b	3c
14.1.6.4.2. Treatment											b	3c
14.1.6.4.3. Waivers												
14.1.7. Ammunitions Disposal Report (ADR) Operation												
14.1.7.1. Plan	**/										b	3c
14.1.7.2. Perform	**/											

Explosive Ordnance Disposal

3E8X1

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		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
14.2. Non-RCRA												
14.2.1. Transport	**/						a/X		b			
14.2.2. Disposal	**/								b			
14.2.3. Store	*/								b			
14.3. Set-up demolition circuits	**/						B		b			
14.4. Perform Grounding Procedures	*/						2b		b			
14.5. Apply Electromagnetic Radiation Precautions	*/						2b		b			
14.6. Disposal Techniques												
14.6.1. Thermite	*/						2b		b			
14.6.2. Burn	*/						2b		b			
14.6.3. Detonation	*/						2b		b			
14.6.4. Vent and Burn	**/						2b		b			
14.6.5. Demilitarization	**/						2b		b			
14.7. Prepare Firing Systems												
14.7.1. Electric	*/						2b		b			
14.7.2. Non-Electric	*/						2b		b			
15. CHEMICAL AND BIOLOGICAL WARFARE AGENTS, EQUIPMENT, AND PROCEDURES TR: DoD 6050.5M; ATP 45WC1-2; AFIs 15-107, 32-4001, 32-4002, 44 Series, 91-409; TOs 14P4 Series, and 60 Series												
15.1. Chemical and Biological Agents												
15.1.1. Types							A		B			
15.1.2. Physical State							A		B			
15.1.3. Physiological Action							A		B			
15.1.4. Persistence							A		B			
15.2. Protective Equipment and Procedures												
15.2.1. Use Protective Clothing and Equipment	*/						2b		b			
15.2.2. Use Detection and Identification Kits	*/						2b		b			
15.2.3. Apply First Aid and Self Aid Procedures	*/						1a		b			
15.2.4. Use Decontaminates and Decontamination Equipment	*/						1a		b			

Explosive Ordnance Disposal

3E8X1

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15.2.5. Seal and Package Leaking Munitions	*/						1a		b			
15.2.6. Transport Hazardous Chemical or Biological Munitions	*/						1a		b			
15.2.7. Dispose of Chemical or Biological Munitions	*/						1a		b			
16. EXPLOSIVE ORDNANCE RECONNAISSANCE TR: AFI 32-3001 and TOs 60A Series												
16.1. Recognize Terrain Changes Due to Unexploded Ordnance	*/						a		b			
16.2. Locate and Mark UXOs												
16.2.1. Surface	*/						2b		b			
16.2.2. Sub-surface	*/						1a		b			
16.3. Technical Intelligence Information												
16.3.1. Collect Technical Intelligence Information	**/						1a/X		b		b	2b
16.3.2. Prepare Technical Intelligence Reports / Briefing									b		b	2b
16.4. Exploit Technical Intelligence Information												
16.4.1. Destructive												
16.4.2. Non-Destructive												
16.5. Manage Captured Material Obtained Through:												
16.5.1. Confiscated Souvenirs											b	2b
16.5.2. Military Missions											b	2b
16.6. Identify Capabilities of FORMICA											b	
17. BASE RECOVERY AFTER ATTACK (BRAAT) TR: TOs 60A Series												
17.1. Concept							A/X		B			3c
17.2. Responsibilities									B			3c
17.3. Pre-attack EOD Procedures									B			
17.4. Post-attack EOD Procedures									B			
17.5. Munitions Clearance Vehicle (MCV) CONOPS									A			

Explosive Ordnance Disposal

3E8X1

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18. EOD EMERGENCY RESPONSE OPERATIONS TR: DoD 3150.5, 6050-8, 3025.12, 6055.13; AFIs 31-409, 32-3001, 32-3002, 32-4001; TOS60 Series, and 11N Series												
18.1. Perform IED Team Chief Functions	*/								b			
18.2. Perform Broken Arrow Team Chief Functions	*/								b			
18.3. Perform Conventional Munition Team Chief Functions	*/								b			
18.4. Perform Aerospace Vehicles Accidents/Incidents Team Chief Functions	*/								b			3d
18.5. Perform Chemical/Biological Team Chief Functions	*/								b		c	
18.6. Identify Requirements for Off-base Responses	*/								b		B	3d
18.7. Identify USAF EOD Responsibilities in Operations Involving Support to Federal, State, and Local Agencies									B			
18.8. Perform Incident Responses	**/						1a/X					
19. PROTECTION OF PERSONNEL AND PROPERTY TR: 60A Series												
19.1. Determine Hazard Distances	*/						2b		b			
19.2. Establish Safety Requirements	**/						1a		b			
19.3. Construct Protective Works	**/						a		b			
19.4. Recommend Incident Categories TR: AFJI 32-3002	**/								b			
19.5. Estimate Collateral Damage	**/								b			
20. ACCESS AND RECOVERY TR: 60A Series												
20.1. Soil Characteristics							A		B			
20.2. Ordnance Access							A		B			

Explosive Ordnance Disposal

3E8X1

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		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
20.3. Tie Knots, Bends, and Hitches							1a		b			
20.4. Perform Field Rigging and Improvised Hoisting							a		b			
21. RENDER SAFE TECHNIQUES TR: TOs 60 Series												
21.1. Immobilize Fuzes	**/						2b					
21.2. Remove Fuzes	**/						2b					
21.3. Disable Electrical Components	**/						2b					
21.4. Disrupt Firing Trains	**/						2b					
21.5. Use Shaped Charges and other Explosive Techniques	**/						2b					
22. CASE ATTACK PROCEDURES TR: TOs 60A Series												
22.1. Use SMUD Techniques	*/						3c/X		b			
22.2. Use Thermal Techniques	*/						2b		b			
22.3. Use Shaped Charges and Other Explosive Techniques	*/						2b		b			
23. PRESIDENTIAL AND VIP SUPPORT TR: AFIs 71-104, 32-3001; TOs 60A Series; United States Secret Service MCM Manual												
23.1. Identify Responsibilities							a/X		b			
23.2. Perform Mission Objectives									b			
23.3. Credentials / Identification Pins Accountability												
23.3.1. Perform Control Procedures									b			
23.3.2. Perform Destruction and Disposition									b			
23.4. Manage Resources for VIP Support									b			

Explosive Ordnance Disposal

3E8X1

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		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
24. RANGES TR: AFIs 13-212, 32-3001, 32-9004, 91-409; TOs 11A-1-60, 11A-1-42, 60A Series; CFR 40 and CFR 49												
24.1. Decontaminate Weapons Ranges	**/						1a		b			
24.2. Proficiency, Training and Demolition Ranges												
24.2.1. Establish									b			
24.2.2. Maintain									b			
24.3. Develop Plans for Range Clearance Operations											b	3c
25. U.S. AND FOREIGN DROPPED MUNITIONS TR: TOs 60 Series												
25.1. Bombs and Bomb Fuzes												
25.1.1. Identify	*/						2b					
25.1.2. Observe Safety Precautions	*/						2b					
25.1.3. Render Safe	*/						2b					
25.1.4. Perform Disposal Procedures	*/						2b					
25.2. Dispensers and Payload												
25.2.1. Identify	*/						2b					
25.2.2. Observe Safety Precautions	*/						2b					
25.2.3. Render Safe	*/						2b					
25.2.4. Perform Disposal Procedures	*/						2b					
26. U.S. AND FOREIGN PROJECTED MUNITIONS TR: TOs 60 Series												
26.1. Projectile and Projectile Fuzes												
26.1.1. Identify	*/						2b					
26.1.2. Observe Safety Precautions	*/						2b					
26.1.3. Render Safe	*/						2b					
26.1.4. Perform Disposal Procedures	*/						2b					

Explosive Ordnance Disposal**3E8X1**

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		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
26.2. Grenades and Grenade Fuzes												
26.2.1. Identify	*/						2b					
26.2.2. Observe Safety Precautions	*/						2b					
26.2.3. Render Safe	*/						2b					
26.2.4. Perform Disposal Procedures	*/						2b					
26.3. Rockets and Rocket Fuzes												
26.3.1. Identify	*/						2b					
26.3.2. Observe Safety Precautions	*/						2b					
26.3.3. Render Safe	*/						2b					
26.3.4. Perform Disposal Procedures	*/						2b					
27. U.S. AND FOREIGN GUIDED MISSILES TR: TOs 60 Series												
27.1. Identify	*/						2b					
27.2. Observe Safety Precautions	*/						2b					
27.3. Render Safe	*/						2b					
27.4. Perform Disposal Procedures	*/						2b					
28. U.S. AND FOREIGN PLACED MUNITIONS TR: TOs 60 Series												
28.1. Landmines and Landmine Fuzes												
28.1.1. Locate	*/						2b					
28.1.2. Identify	*/						2b					
28.1.3. Observe Safety Precautions	*/						2b					
28.1.4. Render Safe	*/						2b					
28.1.5. Perform Disposal Procedures	*/						2b					
28.2. Booby Traps and Booby Trap Fuzes												
28.2.1. Locate	*/						2b					
28.2.2. Identify	*/						2b					
28.2.3. Observe Safety Precautions	*/						2b					
28.2.4. Render Safe	*/						2b					
28.2.5. Perform Disposal Procedures	*/						2b					

Explosive Ordnance Disposal

3E8X1

1. Task Knowledge And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
29. U.S. AND FOREIGN AIRCRAFT WEAPONS SYSTEMS TR: TOs 00-105E-9, 60 Series, and NAVAIR 00-80R-14-1												
29.1. Aircraft Egress Systems and SystemComponents												
29.1.1. Locate	*/						2b		b			
29.1.2. Identify	*/						2b		b			
29.1.3. Observe Safety Precautions	*/						2b		b			
29.1.4. Render Safe	*/						2b		b			
29.1.5. Perform Disposal Procedures	*/						2b		b			
29.2. Aircraft Armament System												
29.2.1. Gun System												
29.2.1.1. Locate	*/						1a		b			
29.2.1.2. Identify	*/						1a		b			
29.2.1.3. Observe Safety Precautions	*/						2b		b			
29.2.1.4. Render Safe	*/						1a		b			
29.3. Release and Launching System												
29.3.1. Locate	*/						1a		b			
29.3.2. Identify	*/						1a		b			
29.3.3. Observe Safety Precautions	*/						2b		b			
29.3.4. Render Safe	*/						2b		b			
30. U.S. AND FOREIGN PYROTECHNICS TR: AFI 31-409; TOs 11 Series and 60 Series												
30.1. Identify	*/						2b					
30.2. Observe Safety Precautions	*/						2b					
30.3. Render Safe	*/						2b					
30.4. Perform Disposal Procedures	*/						2b					
31. IMPROVISED DEVICES TR: 60 Series												
31.1. Locate	*/						2b					
31.2. Gain Access	*/						2b					

Explosive Ordnance Disposal**3E8X1**

1. Task Knowledge And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) QTP	(1) RAM	(2) Course
31.3. Identify	*/						2b					
31.4. Interpret Radiographs	*/						2b					
31.5. Observe Safety Precautions	*/						2b					
31.6. Render Safe	*/						2b					
31.7. Perform Disposal Procedures	*/						2b					
32. NUCLEAR WEAPONS, EQUIPMENT, AND PROCEDURES TR: DoD 5100.52M; ATP 45WC1-2; AFIs 15-107 & 91 Series, 44-102, 44-110; AFD 21-2; TOs 11H Series, 11N Series, 14P Series, 14S Series, and 60N Series												
32.1. Nuclear Weapons												
32.1.1. Identify	*/						2b		b			
32.1.2. Hazards												
32.1.2.1. Explosives							B		B			
32.1.2.2. Toxic							B		B			
32.1.2.3. Radiological							B		B			
32.1.3. Observe Safety Precautions	*/						2b					
32.1.4. Fuzing and Firing Systems							B		B			
32.1.5. Render Safe							2b					
32.1.6. Package and Dispose of Components							2b					
32.2. Use Protective Clothing and Equipment	*/						2b		b			
32.3. Operate Radiac Instruments							2b		b			
32.4. Analysis Foreign Nuclear Systems												
33. U.S. AND FOREIGN UNDERWATER ORDNANCE TR: TOs 60 Series												
33.1. Identify							1a					
33.2. Observe Safety Precautions							1a					

Note 1: General Contingency Responsibility (CDC 3E050), must be successfully completed by all CE specialties.
Note 2: Personnel retraining from one CE AFSC to another CE AFSC are not required to complete this CDC.
Note 3: Completion of the apprentice course meets the initial requirements for Category I, classroom training.
Note 4: Completion of CDC 3E050 may be used as a substitute for Category I annual requirements (effective one year following the completion of the CDC).

1. Tasks, Knowledge, And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) SC/QTP	(1) CDC	(2) Course
34. GENERAL CONTINGENCY RESPONSIBILITIES TR: AFIs 10-210, 10- 211, 32-1026; T.O.s 35E-5-6-1, 35E4-132-1, 35E4-94-1; Army TMs 10-8340-207-14, 10-450-200-12; WMP-1, Annex S; (Mar 95); AFPAM 10-219, Vol 1, 2, 3, 4, & 5												
34.1. Prime BEEF (PB) Orientation TR: AFDD 2-4.2; AFIs 31-209,10-403; AFCESA/CEX - Prime BEEF Equipment Supply List (ESL); Home Station Training (HST) / Readiness Training Package (RTP) A & B; Geneva Convention Articles												
34.1.1. The Prime BEEF (PB) Program	/A						A		B			
34.1.2. Civil Engineer Doctrine	/A						A		B			
34.1.3. Uniform Code of Military Justice (UCMJ)												
34.1.4. The Law of Armed Conflict									B			
34.1.5. The Prime BEEF equipment requirements												
34.1.5.1. Consolidated tool kits	/A						A		B			
34.1.5.2. Mobility bags	/A						A		B			
34.1.5.3. Weapons	/A						A					
34.1.5.4. Team kits	/A						A		B			
34.1.5.5. Body armor	/A						A					
34.1.5.6. Tactical communication system	/A						A					
34.1.6. Individual responsibilities	/A						A		B			
34.2. Field Sanitation & Hygiene Measures TR: AFIs 48-110, 10-210; AFDD 35; ARMY FM 21-10; HST/RTP C												
34.2.1. Personal hygiene measures	/A						A		B			

General Contingency

3E050

1. Tasks, Knowledge, And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) SC/QTP	(1) CDC	(2) Course
34.2.2. Disease and pestilence countermeasures	/A						A		B			
34.2.3. Military field sanitation	/A						A		B			
34.3. Self Protection from Extreme Weather TR: Home Station Training (HST) Course of Study, Vol 2												
34.3.1. Desert survival techniques												
34.3.1.1. Acclimatization	/A						A		B			
34.3.1.2. Sun protection	/A						A		B			
34.3.1.3. Heat exertion									B			
34.3.1.4. Dehydration									B			
34.3.1.5. Heat stroke									B			
34.3.2. Cold weather survival methods												
34.3.2.1. Wearing of clothing	/A						A		B			
34.3.2.2. Immersion foot	/A						A		B			
34.3.2.3. Frost bite	/A						A		B			
34.3.2.4. Hypothermia	/A						A		B			
34.3.2.5. Trench foot	/A						A		B			
34.3.2.6. Wind chill factor	/A						A		B			
34.4. First Aid Techniques TR: AFIs 36-2238, 32-4001, 48-110; AFH 36-2218, Vol 2; Emergency Care and Transportation of the Sick and Injured												
34.4.1. Individual's responsibilities for administering first aid									B			
34.4.2. Self aid and buddy care concept												
34.4.2.1. Lifesaving steps												
34.4.2.1.1. Assure breathing									B			
34.4.2.1.2. Control bleeding									B			
34.4.2.1.3. Protect wound									B			
34.4.2.1.4. Prevent shock									B			
34.4.3. Move and transport injured personnel									B			
34.4.4. Medical echelon concept	/A						A		B			

General Contingency

3E050

1. Tasks, Knowledge, And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) SC/QTP	(1) CDC	(2) Course
34.5. Personal / Work Party Security TR: AFIs 36-2226, 36-2209, 31-209, 31-301, 10-403, 10-404, 31-207, 10-215; AFPAM 10-219, Vol 3 ; Army FMs 21-75; 7-8												
34.5.1. Combat skills	/A						A		B			
34.5.2. Defensive tactics												
34.5.2.1. Cover and concealment	/A						A		B			
34.5.2.2. Individual movement	/A						A		B			
34.5.2.3. Weapons fire control									B			
34.5.2.4. Communications	/A						A		B			
34.5.2.5. Field fortifications	/A						A		B			
34.5.2.6. Guard placement/perimeter defense	/A						A		B			
34.5.2.7. Recognition code system	/A						A		B			
34.6. Convoy Security TR: AFIs 36-2209, 31-301, 10-211, 36-2225, 31-101, Vol 1; AFMAN 24-309; AFPAM 10-219, Vol 3; Army FMs 7-8, 7-10, 55-30; HST/RTP I												
34.6.1. Convoy principles												
34.6.1.1. Organization	/A						A		B			
34.6.1.2. Command and control	/A						A		B			
34.6.1.3. Vehicle preparation	/A						A		B			
34.6.1.4. Security police interface	/A						A		B			
34.6.1.5. Counter ambush techniques	/A						A		B			
34.6.1.6. Defensive ambush measures	/A						A		B			
34.6.2. Participate in convoy exercise												
34.7. Air Base Ground Defense (ABGD) Interface TR: AFIs 31-301, 31-702; DoD 50002.2;HST/RTP A												
34.7.1. Ground threats	/A						A		B			
34.7.2. ABGD concept	/A						A		B			
34.7.3. Defensive tactics	/A						A		B			
34.7.4. Force movement									B			
34.7.5. Weapons and fire control									B			
34.7.6. Tactical barriers									B			
34.7.7. Fighting/Protective Positions									B			

General Contingency

3E050

1. Tasks, Knowledge, And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) SC/QTP	(1) CDC	(2) Course
34.8. Vehicle Qualifications TR: AFI 10-210; AFPAM 10-219, Vol. 3, 4; AFD 25-1; AFMAN 24-309; AFI 23-101; AS 12; T.O.s 36A2 series, 36M2 series, 36A12 series; War & Mobilization Plan (WMP), Vol. I, Annex S (Mar 95); HST/RTP I												
34.8.1. Civil engineer contingency vehicle operations									B			
34.8.2. Obtain government driver's license									B			
34.8.3. Qualify on contingency vehicles									B			
34.8.4. WRM Assets									B			
34.8.5. Marshal Equipment and Personal									B			
34.9. Rapid Runway Repair (RRR) TR: AFIs 10-210, 10-211, 10-212; T.O.s 35E2-3-1, 35E2-2-7, 35E2-5-1; AFPAM 10-219, Vol 4												
34.9.1. Base Recovery After Attack (BRAAT) concept	/A						A		B			
34.9.2. Rapid Runway Repair (RRR) concept	/A						A		B			
34.9.3. Bed-down Shelters TR: T.O.s 35E5-6-1, 35E4-132-1, 35E4-94-1; AFPAM 10-219 Vol. 2, 3, & 5; ARMY TMs 10-8340-207- 14, 10-4500-200-13												
34.10. Contingency/Wartime Multi-skill requirements TR: AFI 10-210; WMP-1, Annex S (Mar 95)												
34.10.1. Multi-skilling concept	/A						A		B			
34.10.2. Contingency vehicles and equipment responsibilities	/A						A		B			
34.10.3. Beddown shelters TR: T.O.s 35E-5-6-1, 35E4-132-1, 35E4-94-1; TM 10-4500-200-13; AFI 10-219, Vol 2, 3 & 5												
34.10.3.1. Harvest Eagle	/A						A		B			
34.10.3.2. Harvest Falcon	/A						A		B			

General Contingency

3E050

1. Tasks, Knowledge, And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) SC/QTP	(1) CDC	(2) Course
34.10.3.3. Expedient field sanitation support	/A						A		B			
34.10.3.4. Expedient repair requirements TR: AFPAM 10-219, Vol 3; Home Station Training Category (HST) 1 & 2												
34.10.3.4.1. Facilities	/A						A		B			
34.10.3.4.2. Utilities	/A						A		B			
34.10.3.4.3. Pavements	/A						A		B			
34.10.3.5. Participate in hands-on multi-skill training												
34.11. Auxiliary Structural Fire Fighting TR: AFIs 10-210, 32-2001; WMP-1, Annex S (Mar 95); International Fire Service Training Association (IFSTA) Manuals												
34.11.1. Civil engineer auxiliary fire fighting concepts									B			
34.11.2. Basic fire fighting principles												
34.11.2.1. Classes of fire									A			
34.11.2.2. Types of extinguishers									A			
34.11.2.3. Fire reporting procedures									A			
34.11.2.4. Evacuation procedures									A			
34.11.2.5. Structural fire fighting									A			
34.11.2.6. Wildlands fires									A			
34.11.3. Equipment and safety factors												
34.11.3.1. Utility isolation									A			
34.11.3.2. Agent/water application									A			
34.11.3.3. Building heat and smoke ventilation									A			
34.11.3.4. Rescue principles									A			
34.11.3.5. Using extinguishers									A			
34.11.3.6. Installed standpipe system									A			
34.11.3.7. Fire hydrant/hose operation									A			
34.11.3.8. Ladder operation									A			
34.11.3.9. Portable pumps									A			
34.11.3.10. Water distribution truck									A			

General Contingency

3E050

1. Tasks, Knowledge, And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) SC/QTP	(1) CDC	(2) Course
34.12. Passive Defense Measures Splinter Protection Construction TR: AFPAM 10-219, Vol 2 & 5; AFIs 10-210, 10-11, 10-212, 32-4001, 31-101, 31-209, 31-210, 10-401, 31-301; TM 5-1080-200-13/P; AFH 31-302; AFMAN 32-4005; AFPDs 31-1, 71-1; AFMD 39; AFDD 2-4.2; Instructions for Assembly and Erection of (Type A1 and B1) Aircraft Revetment Kit, 1 Nov 1968												
34.12.1. Hardening/splinter protection												
34.12.1.1. Intent of hardening protection	/A						A		B			
34.12.1.2. Resource protection												
34.12.1.3. Candidate requirements	/A						A		B			
34.12.1.4. Hardening techniques	/A						A		B			
34.12.2. Resource dispersal												
34.12.2.1. Purpose of resource dispersal	/A						A		B			
34.12.2.2. Types of resources normally dispersed	/A						A		B			
34.12.2.3. Types of dispersal sites	/A						A		B			
34.12.2.4. Dispersal operations	/A						A		B			
34.12.3. Facility Repair TR: AFPAM 10-219, Vol 3 & 4; Home Station Training (HST) Category 1 & 2												
34.12.3.1. Damage assessment	/A						A		B			
34.12.3.2. Damage reporting	/A						A		B			
34.12.4. Camouflage, Concealment, and Deception (CCD) Techniques TR: AFPAM 10-219, Vol 2 & 3; AFCEA/CEX - CCD ConOPs; AFIND 11/ HST-RTP K1, DPT K1, RTP K3, DPTP K3, RTP K9, DPTP K9, & RTP K11												
34.12.4.1. Basic CCD practices	/A						A		B			
34.12.4.2. Types of CCD techniques	/A						A		B			
34.12.4.3. Planning considerations	/A						A		B			

General Contingency

3E050

1. Tasks, Knowledge, And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) SC/QTP	(1) CDC	(2) Course
34.12.5. Chemical warfare protection TR: AFMAN 32-4005; 24-309; AFIs 10-203, 10-210, 13-218, 21-101, 32-4001; AFPAM 10-219, Vol 3 & 4; AFIND 11/ HST-RTP C11 & RTP B3												
34.12.5.1. Individual protective equipment												
34.12.5.2. Wartime threat / protective actions / procedures												
34.12.5.3. Decontaminating vehicle / equipment									A			
34.12.5.4. Decontaminate shelter entry point									A			
34.12.5.5. Know USAF standard alarm signals TR: AFPAM 10-219, Vol 2; AFIND 11, HST/RTP C5	/A						A		B			
34.12.5.6. Protective shelters												
34.13. Terrorism TR: AFI 31-210, AFPAM 10-219, Vol 2; Joint Pub 1-02; AFDD 35/36												
34.13.1. Awareness									B			
34.13.2. Countermeasures									B			
34.14. Base Denial TR: AFIs 10-210, 10-211;AFPAM 10-219, Vol 3; Army FM 5-250; TO 11A-1-66; HST/RTP I; WMP-1, Annex S (Mar 95)												
34.14.1. Base denial concept	/A						A		B			
34.14.2. Denial methods												
34.14.2.1. Fire	/A						A		B			
34.14.2.2. Explosives	/A						A		B			
34.14.2.3. Component removal	/A						A		B			
34.14.2.4. Sabotage	/A						A		B			
34.14.2.5. Mechanical destruction	/A						A		B			
34.15. Explosive Ordnance Reconnaissance (EOR) TR: AFI 10-210; AFPAM 10-219, Vol 3 & 4; Army FMs 21-16, 21-75												
34.15.1. Potential ordnance	/A						A		B			
34.15.2. Marking procedures	/A						A		B			

General Contingency

3E050

1. Tasks, Knowledge, And Technical References	2. Core/ Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training / Information Provided					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2)	(1) CDC	(2) SC/QTP	(1) CDC	(2) Course
34.15.3. Reporting procedures	/A						A		B			
34.15.4. Mass ordnance clearance									B			
34.16. Weapons TR: AFIs 10-210, 31-101, 36-2226, 91-202; AFH 31-223												
34.16.1. Issue									B			
34.16.2. Control									B			
34.16.3. Courier									B			
34.17. Aircraft revetment TR: AFPAM 10-219, Vol 2; AFMAN 32-1071; AFDD 2-4.2; AFM 32-4005; AFIs 31-101, 31-209, 31-210, 10-401, 31-301												
34.17.1. Assemble kit-type revetments												
34.17.1.1. A-1									B			
34.17.1.2. B-1									B			
34.17.1.3. ARMCO									B			
34.17.1.4. Concertainer									B			

SECTION B - COURSE OBJECTIVE LIST

Note: This section not used at this time

SECTION C - SUPPORT MATERIALS

4. ConTest.

4.1. ConTest is an interactive computer-based program designed to test and evaluate a student's knowledge regarding general and AFS specific contingency training requirements. ConTest requires a variety of training materials and a computer program that randomly selects test questions from a question pool. However, ConTest *does not* replace hands-on instruction (Category II Home Station Training). Rather, its purpose is to augment a unit's Category I Home Station Training program. Used as an assessment tool, an accurate evaluation of an individual's knowledge of contingency subjects can be obtained. Equipped with this information, units can target valuable limited training time towards correcting deficiencies while reducing training time spent on areas where acceptable proficiency is evident.

4.2. The EOD specific topic on ConTest will include: Remote Wrench (Mk-1 MOD 3), Andros Robert Operation, X-Ray, Mk-32, Barrett 82A1 Semi-Automatic Rifle, MX-22 Remote Firing Device, MK-26 Mod o, Ordinance Locator, and MK-2 Dearmer (.50 Caliber).

4.3. ConTest Tests. The following list of test applies to all EOD personnel.

Course Number	Course Title	Developer
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4.4. Air Force Qualification Training Packages.

<u>QTP Number</u>	<u>QTP Title</u>	<u>Media</u>
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NOTE: This section will be filled in when exportable or other material is identified and fielded. Currently no material is available.

SECTION D - TRAINING COURSE INDEX

5. Purpose. This section of the CFETP identifies training courses available for the specialty. Refer to AFCAT 36-2223, USAF Formal Schools, for complete information on the Air Force in-residence courses.

6. Air Force In-Residence/Mobile Training Team (MTT) Courses.

Course Number	Title	Developer
L3AGR3E8X1	EOD Preliminary Course	342 TRS
J5AQN3E831 000	EOD School, Phase I	Det 3, 366 TRS
J5ABN3E831 001	EOD School, Phase II	Det 2, 366 TRS
J5AZN3E871 000	Joint Nuclear EOD Course (JNEODC)	Scandia National Lab
J5AZN3E871 001	Advanced Access and Disablement (AA&D)	Det 2, 366 TRS
J5AZN3E871 002	EOD Advanced Course	Indian Head NOS MD
J3ACR3E871 000	EOD 7-Level Course	Eglin AFB FL

7. Extension Course Institute (ECI) Courses.

Course Number	Title	Date
CDC 3E851 A	EOD Journeyman	Dec 96

8. Exportable Courses/Information.

Course Number	Title	Date
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9. Courses Under Development/Revision.

Course Number	Title	Date Due
	EOD Management Craftsman Course -- Part A (exportable) version 1.0	Feb 98
CDC 3E851 B	EOD Journeyman	Oct 97
CDC 3E851 A/B	EOD Journeyman (Revised)	May 98
CDC 3E050	General Contingency Responsibilities	Dec 98

SECTION E - MAJCOM-UNIQUE REQUIREMENTS

“There are currently no MAJCOM unique requirements. This area is reserved.”

SECTION F - HOME STATION TRAINING

10. Purpose. The purpose of this section is to identify the tasks, training references, and training sources available in support of contingency/wartime training. Training ranges from knowledge-type training conducted in a classroom to task-oriented (hands-on) training conducted in the field. The tasks are general in nature and pertain to all civil engineer career fields. All civil engineer personnel are expected to receive this training even though the tasks may not be directly related to their AFS but support other CE AFSs.

10.1. Home Station Training (HST) Definition. HST is defined as training that is conducted at the individual's home station.

- Category 1 (CAT-1) training consists of knowledge-level training such as Prime BEEF orientation, field sanitation, and health/hygiene. CAT-1 training is normally accomplished through briefings and the use of videos and other training aids.
- Category 2 (CAT-2) training is primarily task-oriented such as weapons training, hard-back tent construction, and convoy security. This training, obviously, will be conducted in the field during bivouacs.

10.2. Training References.

10.2.1. AFI 10-210, Prime Base Engineer Emergency Force (BEEF) Program. Chapter three of AFI 10-210 identifies the Prime BEEF annual HST requirements. This document is located in the Readiness Flight. Figure 10.1 is a list of HST CAT-1 and CAT-2 training.

10.2.2. Prime BEEF Wartime Task Standard (WTS). The WTS lists basic wartime skills, knowledge, and the major common contingency/wartime tasks Prime BEEF teams will be required to perform. The WTS identifies the AFSs associated with each task, required resources to accomplish the task, and the maximum time (under optimum conditions) expected to complete the task. The document also identifies the lead AFS on each task. This document is located in the Readiness Flight. All tasks, skills, and knowledge required in the WTS are included in the STS portion of this CFETP.

10.2.3. AFPAM 10-219, Contingency and Disaster Planning. These documents assist in home station training and contingency responses. They replace the AFP 93-12 series of planning documents. There will be ten volumes to the AFPAM when completed and will be available on the Air Force Electronic Publications Library (AFEPL). The following is a list of the volumes making up AFPAM 10-219:

Volume	Title
1	Contingency and Disaster Planning
2	Preattack and Predisaster Preparations
3	Postattack and Postdisaster Procedures
4	Rapid Runway Repairs
5	Bare Base Conceptual Planning Guide

6	Planning and Design of Contingency Air Bases
7	Expedient Construction Methods
8	Prime BEEF Manager's Guide
9	Establishing and Maintaining Contingency Air Bases
10	Engineer Wartime Task Standard

10.2.4. Air Force Catalog 36-2223. Lists additional training/educational opportunities available for civil engineer personnel. This catalog contains information on formal education and training courses. The catalog is updated quarterly. The catalog is on the AFEPL. Your unit training manager will maintain a hard-copy of this catalog.

10.2.5. ConTest. ConTest is an interactive computer-based testing program designed to evaluate a student's knowledge of contingency topics. ConTest is used to determine student's comprehension following HST CAT-1 classes. ConTest can also be used by students who "challenge" the requirement to attend CAT-1 classes due to their prior experience, existing knowledge on the subjects, or previous attendance to training classes. Members successfully passing a ConTest test will be given credit for meeting the required training. ConTest is distributed on CD-Rom disk and is maintained by the Readiness Flight. *ConTest is not intended to replace initial HST requirements for new member, nor is it intended to replace CAT-2 training.*

10.2.6. Readiness Training Package (RTP). RTPs are lesson plans for HST lessons. The RTPs are intended for those people who teach any area of HST. The index for the RTPs is located in AFIND 11. The RTPs are also on the Air Force Civil Engineer Support Agency (AFCESA) home page. The internet address for this information is <http://www.afcesa.af.mil>.

10.2.7. Other Documents. AFH 10-222, Bare Base Development, Vols. 1 & 2 are pocket guides providing information on bare base development for all AFSs. AFH 10-222, Vol 4, Air Force Environmental Hand-Book for Contingency Operations, was developed to assist the environmental career field (3E4X3) on environmental quality issues during contingency and training operations. The hand-book can be used by any AFS who works closely with environmental issues. AFH 10-222, Vol 3, Guide to Civil Engineer Force Protection.

10.2.8. AFCESA/CEX maintains a comprehensive listing of audiovisual products that support the Engineer Readiness program. To view this listing as well as gain information on how to order specific audiovisual products, please consult the AFCESA home page.

10.3. Ancillary Training.

10.3.1. Team Exercise Sites. All civil engineer personnel who fill critical Unit Type Code (UTC) positions will receive team qualification at Silver Flag Exercise Sites (SFES) with the exception of members on headquarters staff augmentation UTCs, pavement evaluation UTCs, and generator repair and maintenance UTCs. There are currently three active SFES in the world today. They are located at Tyndall AFB, FL; Ramstein AFB, Germany; and Kadena AFB, Japan. Personnel in critical UTC positions will be qualified at least every two years on the elements listed in table 3.3 of AFI 10-210. The Air Reserve Components (ARC) will be qualified at least every three years.

10.3.2. Regional Equipment Operator Training Site (REOTS) Course. The purpose of this course is to elevate the proficiency of Pavement and Equipment personnel (3E2X1) in the operation on the grader, bull-dozer, excavator, and 4-CY front-end-loader. 3E2X1 personnel should attend REOTS shortly after upgrade to the five-skill level. Supervisors need to schedule their people for attendance through their unit training manager and budget through the unit resource manager.

HOME STATION TRAINING
Category 1 - Classroom Training

Item	Task
1.	Prime Beef Orientation
1.1.	The Individual's Role
1.2.	Members Placement into the Prime BEEF Organization
1.2.1.	Organization Overview
1.2.2.	Training
1.2.3.	Equipment
1.2.4.	Operating Concepts
1.2.5.	Contingency Mission
1.2.5.1.	MAJCOM
1.2.5.2.	Unit
2.	Field Sanitation and Health
2.1	Field Sanitation
2.2	Buddy Care Procedures
2.3	Self Aid
2.4	Personal Hygiene
2.5	Control of Communicable Diseases
2.6	Kitchen and Mess Sanitation
2.7	Extreme Climates
2.8	Field Hygiene
2.9	Self Aid and Buddy Care
2.10	Water Purification
3.	Explosive Ordnance Reconnaissance
3.1.	Recognize Ordnance
3.2.	Describe Ordnance
3.3.	Report Location of Ordnance to Appropriate Control Center
4.	Expedient Methods
4.1.	Expedient Beddown
4.1.1	Harvest Eagle
4.1.2	Harvest Falcon
4.1.3.	Layout a Base
4.1.4.	Theater Utility Systems
4.1.5.	Harden Facilities
4.2.	Expedient Field Construction
4.2.1.	Construct Hardback Tent
4.2.2.	Field Latrines
4.2.3.	Berms and Dikes
4.2.4.	Field Utility System

Figure 9.1

Item	Task
4.2.5.	Wood Frame Buildings
4.2.6.	Modular Construction
4.2.7.	Bridges and Culverts
4.3.	Expedient Repair of:
4.3.1.	Electrical
4.3.2.	Plumbing
4.3.3.	Roads
4.3.4.	Buildings
4.3.4.1.	Shoring
4.3.4.2.	Scabbing
4.3.5.	Runway
4.3.6.	Facility
4.3.7.	Other Utilities
4.4.	Expedient Destruction/Base Denial
4.4.1.	Non Explosive
4.4.2.	Explosive
5.	Security Training
5.1.	Physical
5.2.	Personal
5.3.	Work Party
5.4.	Convoy
5.5.	Air Base Ground Defense (ABGD)
5.5.1.	Standoff Techniques
5.5.2.	Defense Positions
5.5.3.	Movement to Defensive Positions
5.5.4.	Fire and Maneuvering
5.5.5.	Reacting to Attacks

Figure 9.1

HOME STATION TRAINING
Category 2 - Hands-on Training

Item	Task
1.	Government Vehicle and Equipment Operator Training
1.1.	Contingency Vehicle Qualifications (AFI 10-210, Chapter 3)
1.2.	Equipment Training (AFI 10-210, Table 3)
2.	NBC Defense Training
2.1.	NBC Defense Policy
2.2.	USAF Alarm Signals and Actions
2.3.	Personal Protective Equipment (PPE)
2.4.	Contamination Control
2.5.	Lethal Chemical Agents and Defense Actions
2.6.	Biological Warfare Agents and Defense Actions
2.7.	Mission Oriented Protective Posture (MOPP) Levels
2.8.	Attack Reporting Procedures
3.	Weapons Training
3.1.	M-16
3.2.	.38-cal.
3.3.	9mm
3.3.1.	Courier
3.3.2.	Guard
3.3.3.	In-Flight Security
4.	Expedient Methods
4.1.	Beddown
4.1.1	Force Beddown
4.1.1.1.	Bare Base Assets
4.1.1.2.	Use Impoverished Materials for Construction of:
4.1.1.2.1	Buildings
4.1.1.2.2	Facilities
4.2.	Field Construction
4.2.1.	Using Normal Construction Equipment and Materials:
4.2.1.1.	Tent, Hard Back
4.2.1.2.	Field Latrines
4.2.1.3.	Berms and Dikes
4.2.1.4.	Field Utility System
4.2.1.5.	Wood Frame Building
4.2.1.6.	Pre-Engineered Building
4.2.1.7.	Modular Construction
4.2.1.8.	Bridge and Culverts

Figure 9.1

Item	Task
4.3.	Repair and Destruction Methods
4.3.1.	Plan and Use Expedient Techniques.
4.3.2.	Electrical
4.3.3.	Plumbing
4.3.4.	Roads
4.3.5.	Buildings
4.3.5.1.	Shoring
4.3.5.2.	Scabbing
4.3.6.	Rapid Runway Repair (RRR)
4.3.6.1.	Crush Stone
4.3.6.2.	AM-2 Matting
4.3.6.3.	Fiberglass Mat
4.3.6.4.	Spall Repair
4.3.6.5.	Command and Control
4.3.6.6.	Minimum Operating Strip
4.3.7.	Non-Explosive Base Denial Expedient Destruction for:
4.3.7.1.	Base Utilities
4.3.7.2.	Base Facilities
4.3.7.3.	Engineering Equipment
5.	Field Training -- AFI 10-210, Table 2
5.1.	Bivouac-Practice Contingency Skills:
5.1.1.	Camp Layout
5.1.2.	Vehicle Operations
5.1.3.	Erection of Bare Base Assets
5.1.4.	First Aid
5.1.5.	Field Sanitation
5.1.6.	Multiskilling
5.1.7.	Nuclear Defensive Techniques
5.1.8.	Biological Defensive Techniques
5.1.9.	Chemical Defensive Techniques
5.1.10.	Personal Security
5.1.11.	Work Party Security
5.1.12.	Convoy Security
5.1.13.	Defensive Techniques to Support and Augment Security Police
5.1.9.	Coordination and Communication Procedures
6.	AFSC Specific (EOD) Contingency Training
6.1.	Identify Coordinates
6.1.1.	Operate Compass
6.1.2.	Operate Global Positioning System (GPS)
6.1.3.	Demonstrate Map Reading Skills
6.2.	Conduct EOD Base Recovery After Attack Operations

6.2.1.	Understand BRAAT Team Concepts
6.2.2.	Locate and Mark UXOs
6.2.3.	Perform UXO Safing Operations
6.2.4.	Supervise Bomb Removal Activities
6.2.5.	Perform UXO Disposal Operations
6.3.	Employ Case Attack Procedures
6.4.	Perform EOD Safing Operations employing appropriate Equipment and Techniques.
6.4.1.	Perform Wartime Aircraft Safing Operations
6.4.2.	Perform Conventional UXO Safing Operations
6.4.3.	Perform Wartime NBC Operation
6.4.4.	Perform EOD BRAAT Operations
6.4.5.	Perform Improvised Explosive Device Training
6.4.6.	Perform UXO Clearance Operations
6.4.7.	Perform Gross Minefield Clearance Techniques
6.4.8.	Perform Base Denial Techniques
6.5.	AFS Specific Contingency Equipment & Vehicle Requirements
6.5.1.	M113 APC
6.5.2.	M60 Munitions Clearance Vehicle
	NOTE: For further explanation of Home Station Training Category 1 or 2, see AFI 10-210

Figure 9.1

SECTION G - EOD STANDARD TRAINING PACKAGE

11. The objective of the Air Force Explosive Ordnance Disposal Standard Training Package is to ensure we provide our customers with the best EOD capability in DoD. We accomplish this by producing highly qualified and technically proficient EOD technicians capable of safely and efficiently performing the EOD peacetime and wartime missions. Air Force Instruction 32-3001 prescribes the following recurring training as the minimum training requirements for all active duty EOD personnel assigned below wing level.

11.1. Active duty EOD personnel assigned above wing level and those assigned special duty, i.e. instructor duty, Silver Flag Exercise Sites, or other authorized EOD billets, should accomplish Group I requirements as a minimum. Accomplishment of Group II through Group IV is not mandatory however, individuals are highly encouraged to complete additional training when possible.

11.2. Air National Guard (ANG) and Air Force Reserve (AFRES) EOD personnel will accomplish training as prescribed in AFI 32-3001.

12. Group I Training Requirements.

12.1 Monthly Qualification Training. Training or operations involving the use of cartridge-actuated tools, demolition explosives, or pyrotechnic devices used to perform render-safe procedures (RSP) or general demolition using live-explosives.

13. Group II Training Requirements.

13.1. Semiannual Training Requirements. Subjects listed in this section are taught in a classroom setting followed by practical (hands on) training for all team members. During the class room training tools are assembled, unique features and safety precautions briefed, and equipment applications and limitations discussed. Classroom instruction on procedures should coincide with Group IV practical exercise schedule.

Subjects

MK-1 Remote Wrench
MK-2 Dearmer
MK-2 Remote Control Transporter(RCT)(Andros or Ferret)
MK-15 Stethoscope or Martin Kaiser
MK-26 Ordnance Locator (MK-22)
MK-31 J-Rod
MK-32 X-ray
M-3 Suit
M-18 Kit
MX 22 Remote Firing Device (M122)
M-256 Kit
M-291 Kit
AN/PDR-128 Tactical Radio (all assigned radios)
Valon Model 1620H Mine Detector (MDM)
AN/PSS-11 Global Positioning System (GPS)
Base Recovery After Attack (BRAAT) Procedures
BBS-3 Bomb Suit
Broken Arrow Procedures
Electromagnetic Radiation (EMR) Grounding/Shielding Procedures
Explosive Properties and Effects
Field Fabricated Dearmer

Semiannual Training Requirements - Subjects (cont'd)

Gagging and Immobilization Procedures
General Demolition Procedures
Ground Crew Ensemble
Improvised Explosive Device (IED) Procedures
Locally Assigned or Supported Aircraft
Locally Assigned or Supported Munitions
Unit Mobility/Generation Procedures
Night Vision Goggles
Protective Mask (M-17/MCU-2/P Mask)
Protection of Personnel and Property and Collateral Damage Assessment
Secret Service Support Operations Munitions Countermeasures Manual (MCM)
Self-Contained Breathing Apparatus (SCBA)
Shaped Charge Procedures
Standoff Munitions Disrupter (SMUD) Tool
Special Weapons
Tape and Line Procedures
Technical Intelligence Procedures
X-Rod Procedures

14. Group III Training Requirements.

14.1. Annual Training Requirements. Classroom training on specific items listed.

Subjects

Assigned Cameras
Chemical Operations and Disposal Procedures
Improvised Dearmer
IND Procedures
Thermite Burn Procedures
US MK-Series and M-Series Bombs
Foreign Bombs
US Bomb Fuzes (FMU-Series)
US Bomb Fuzes (MK-Series)
US Bomb Fuzes (M-Series)
Foreign Bomb Fuzes
US Guided Bomb Units
US SUU-Series Dispensers
US CBU-Series
US BLU-Series Bombs/Bomblets
Foreign Bomblets/Submunitions
Foreign Dispensers
US Guided Missiles
US Rockets
US Rocket Fuzes
Foreign Guided Missiles
Foreign Rockets
Foreign Rocket Fuzes
US Land Mines
Foreign Land Mines
US Aircraft
US A/C Flares and Dispensers

Group III Training Requirements (cont'd)

- US A/C Chaff and Dispensers
- US A/C LAU-Series Launchers
- US A/C MAU-Series Racks
- US A/C CAD/PAD Items
- US A/C Dispensed Markers
- Foreign Aircraft
- US Projectiles
- US Projectile Fuzes
- Foreign Projectiles
- Foreign Projectiles Fuzes
- US Grenades
- Foreign Grenades

15. Group IV Training Requirements.

15.1. Practical Training and Exercise Requirements. Team exercises allow members to apply knowledge learned in the classroom to formulate plans, select and use equipment, manage personnel, and direct operations to resolve incidents or accident situations involving explosive ordnance. All EOD team member are required to participate in training exercises. Exercise will be conducted to enhance realism and incorporate all equipment and procedures associated with the scenario.

Section A - Semiannual

- Aircraft Exercise
- Conventional Exercise
- Improvised Explosive Device (IED) Exercise

Section B - Annual

- Base Recovery After Attack (BRAAT) Exercise
- Broken Arrow Exercise
- Wartime Chemical Exercise (including disposal)

16. Group V Training Requirements.

16.1. Supplementary Training. Ancillary or other specialized training required by directive to perform general or specific additional military duties. This section may also be used to record training conducted in excess of STP requirements.

Subjects

- Arming and Use of Force
- Cargo Preparation
- Contingency Operation/Mobility Planning and Execution System (COMPES)
- Extinguisher Training
- Fraud, Waste, and Abuse
- Hazardous Communication (HAZCOM) Training
- Hazardous/Sensitive Cargo
- HAZMAT Levels 1-3 (for incidents involving explosive ordnance)
- Confined Space
- Local Environmental Protection Requirements

Pallet Build-Up
Personnel Reliability Program (PRP), Nuclear Surety, and Two-Man Concept
Weapons Safety